SHARP SERVICE MANUAL

No. S6447CDDV777W

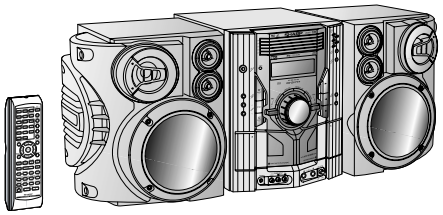


Illustration: CD-DV777W

DVD MINI SYSTEM
MODEL CD-DV777W

CD-DV777W DVD Mini System consisting of CD-DV777W (main unit) and CP-DV777 (speaker system).

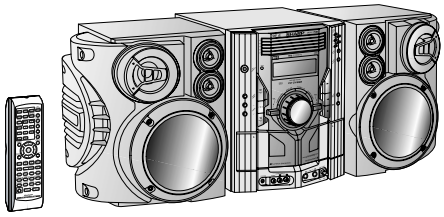


Illustration: CD-DV999W

DVD MINI SYSTEM
MODEL CD-DV999W

CD-DV999W DVD Mini System consisting of CD-DV999W (main unit) and CP-DV999 (speaker system).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

CONTENTS

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

SAFETY PRECAUTION FOR SERVICE MANUAL

WARNINGS

THE AEL (ACCESSIBLE EMISSION LEVEL) OF THE LASER POWER OUTPUT IS LESS THAN CLASS 1 BUT THE LASER COMPONENT IS CAPABLE OF EMITTING RADIATION EXCEEDING THE LIMIT FOR CLASS 1. THEREFORE IT IS IMPORTANT THAT THE FOLLOWING PRECAUTIONS ARE OBSERVED DURING SERVICING TO PROTECT YOUR EYES AGAINST EXPOSURE TO THE LASER BEAM.

1-WHEN THE CABINET IS REMOVED, THE POWER IS TURNED ON WITHOUT A COMPACT DISC IN POSITION AND THE PICKUP IS ON THE OUTER EDGE THE LASER WILL LIGHT FOR SEVERAL SECONDS TO DETECT A DISC. DO NOT LOOK INTO THE PICKUP LENS.

2-THE LASER POWER OUTPUT OF THE PICKUP UNIT AND REPLACEMENT SERVICE PARTS ARE ALL FACTORY PRESET BEFORE SHIPMENT.
DO NOT ATTEMPT TO READJUST THE LASER PICKUP UNIT DURING REPLACEMENT OR SERVICING.

3-UNDER NO CIRCUMSTANCES STARE INTO THE PICKUP LENS AT ANY TIME.

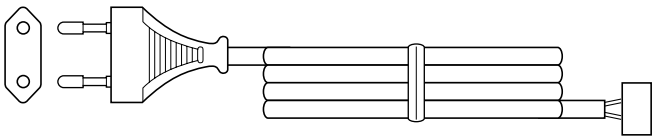
4-CAUTION-USE OF CONTROLS OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows.
Turn the selector with a screwdriver until the appropriate voltage number appears in the window (110 V, 127 V, 220 V or 230 V - 240 V AC).

AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

QACCE0015AW00



CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

■ General

Power source	AC 110/127/220/230-240 V , 50/60 Hz
Power consumption	170 W
Dimensions	Width: 260 mm (10-1/4") Height: 330 mm (13") Depth: 326 mm (12-7/8")
Weight	10.5 kg (23.1 lbs.)

■ Amplifier

Output power	MPO: 740 W (370 W + 370 W) (10 % T.H.D.) RMS: 400 W (200 W + 200 W) (10 % T.H.D.) RMS: 290 W (145 W + 145 W) (0.9 % T.H.D.)
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Video output: 1 Vp-p (75 ohms)
Input terminals	Game/Auxiliary (audio signal): 500 mV/ 47 k ohms Game/Video: 1 Vp-p Microphone 1/2: 1 mV/600 ohms

■ Cassette deck

Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter	0.3 % (WRMS)

■ Tuner

Frequency range	FM: 88.0 - 108.0 MHz AM: 531 - 1,602 kHz

■ DVD/VCD/CD player

Signal system	NTSC/PAL
Supported disc types	DVD, audio CD, CD-R, CD-RW, VCD, MP3/ WMA
Video output	Output socket: Pin socket x 1 Output level: 1 Vp-p (75 ohms)
S-video output	Y output level: 1 Vp-p (75 ohms) C output level: 0.628 Vp-p (75 ohms) Output socket: S-video connector x 1
Video signal	Horizontal resolution: 500 lines S/N ratio: 60 dB
Audio signal	Frequency characteristics: Linear PCM DVD: 4 Hz to 22 kHz (48 kHz sampling) 4 Hz to 44 kHz (96 kHz sampling) CD: 4 Hz to 20 kHz S/N ratio: 96 dB, 1 kHz (CD) Dynamic range: 96 dB (Linear PCM DVD) 96 dB (CD) Total harmonic distortion ratio: 0.006 % maximum

CP-DV999

Type	3-way type speaker system with passive radiator Super tweeter x 2 5 cm (2") tweeter x 1 16 cm (6-1/2") woofer x 1 10 cm (4") passive radiator
Maximum input power	400 W
Rated input power	200 W
Impedance	6 ohms
Dimensions	Width: 277 mm (10-7/8") Height: 330 mm (13") Depth: 279 mm (11")
Weight	4.8 kg (10.6 lbs.)/each

■ General

Power source	AC 110/127/220/230-240 V , 50/60 Hz
Power consumption	140 W
Dimensions	Width: 260 mm (10-1/4") Height: 330 mm (13") Depth: 326 mm (12-7/8")
Weight	8.9 kg (19.6 lbs.)

■ Amplifier

Output power	MPO: 600 W (300 W + 300 W) (10 % T.H.D.) RMS: 300 W (150 W + 150 W) (10 % T.H.D.) RMS: 150 W (75 W + 75 W) (0.9 % T.H.D.)
Output terminals	Speakers: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Video output: 1 Vp-p (75 ohms)
Input terminals	Game/Auxiliary (audio signal): 500 mV/ 47 k ohms Game/Video: 1 Vp-p/75 ohms Microphone 1/2: 1 mV/600 ohms

■ Cassette deck

Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter	0.3 % (WRMS)

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Signal system	NTSC/PAL
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■ Tuner

Frequency range	FM: 88.0 - 108.0 MHz AM: 531 - 1,602 kHz

CP-DV777

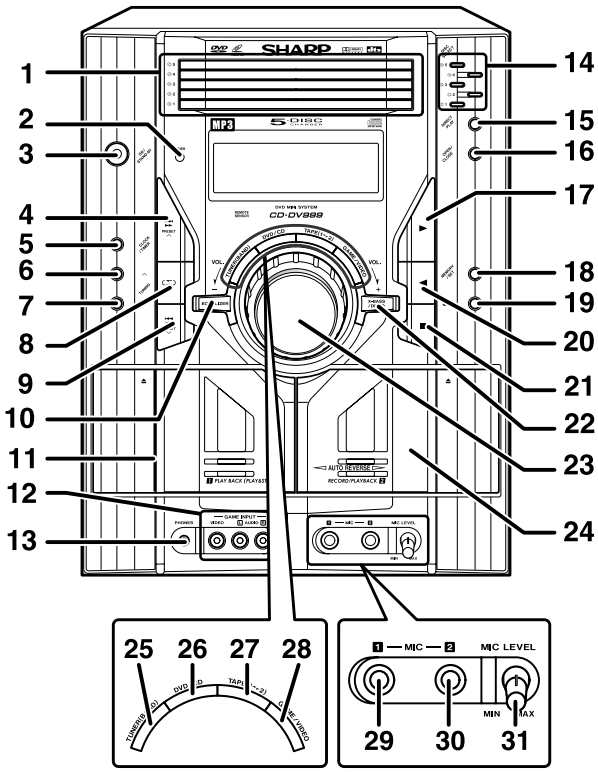
Type	3-way type speaker system with passive radiator Super tweeter x 2 5 cm (2") tweeter x 1 16 cm (6-1/2") woofer x 1 10 cm (4") passive radiator
Maximum input power	300 W
Rated input power	150 W
Impedance	6 ohms
Dimensions	Width: 277 mm (10-7/8") Height: 330 mm (13") Depth: 279 mm (11")
Weight	3.9 kg (8.6 lbs.)/each

Specifications for this model are subject to change without prior notice.

[2] Names of parts

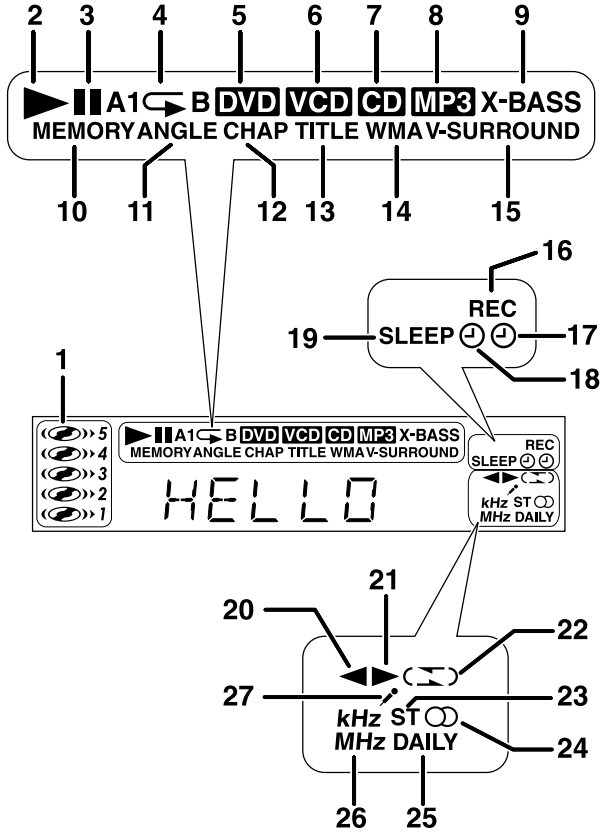
CD-DV999W/CD-DV777W

■ Front panel



1. Disc Trays
2. Timer Set Indicator
3. On/Stand-by Button
4. DVD/Video CD/CD/MP3/WMA Track Up or Fast Forward, Tape 2 Fast Wind, Tuner Preset Up, Time Up Button
5. Clock/Timer Button
6. Tuning Up Button
7. Tuning Down Button
8. Tape 2 Reverse Mode Select Button
9. DVD/Video CD/CD/MP3/WMA Track Down or Fast Reverse, Tape 2 Fast Wind, Tuner Preset Down, Time Down Button
10. Equalizer Mode Select Button
11. Tape 1 Cassette Compartment
12. Game/Video Input Sockets
13. Headphone Socket
14. Disc Number Select Buttons
15. DVD/Video CD/CD/MP3/WMA Direct Play Button
16. Disc Tray Open/Close Button
17. DVD/Video CD/CD/MP3/WMA Play, Tape 1 Play, Tape 2 Forward Play Button
18. Memory/Set Button
19. Tape 2 Record Pause Button
20. Tape 2 Reverse Play Button
21. DVD/Video CD/CD/MP3/WMA or Tape Stop Button
22. Extra Bass/Demo Mode Button
23. Volume Control
24. Tape 2 Cassette Compartment
25. Tuner (Band) Button
26. DVD/Video CD/CD/MP3/WMA Button
27. Tape (1 ⇀ 2) Button
28. Game/Video Button
29. Mic 1 Socket
30. Mic 2 Socket
31. Mic Level

■ Display

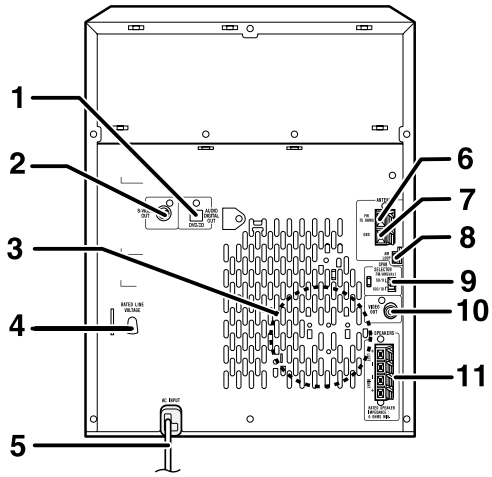


1. Disc Number Indicators
2. DVD/Video CD/CD/MP3/WMA Play Indicator
3. DVD/Video CD/CD/MP3/WMA Pause Indicator
4. DVD/Video CD/CD/MP3/WMA Repeat Indicator
5. DVD Indicator
6. VCD Indicator
7. CD Indicator
8. MP3 Indicator
9. Extra Bass Indicator
10. Memory Indicator
11. DVD Angle Indicator
12. DVD Chapter Indicator
13. DVD Title Indicator
14. WMA Indicator
15. Virtual Surround Indicator
16. Tape 2 Record Indicator
17. Timer Recording Indicator
18. Timer Play Indicator
19. Sleep Indicator
20. Tape 2 Reverse Play Indicator
21. Tape 1 Play or Tape 2 Forward Play Indicator
22. Tape Reverse Mode Indicator
23. FM Stereo Mode Indicator
24. FM Stereo Receiving Indicator
25. Daily Timer Indicator
26. Tuner Receiving Frequency Indicators
27. Karaoke Mode Indicator

CD-DV999W/CD-DV777W

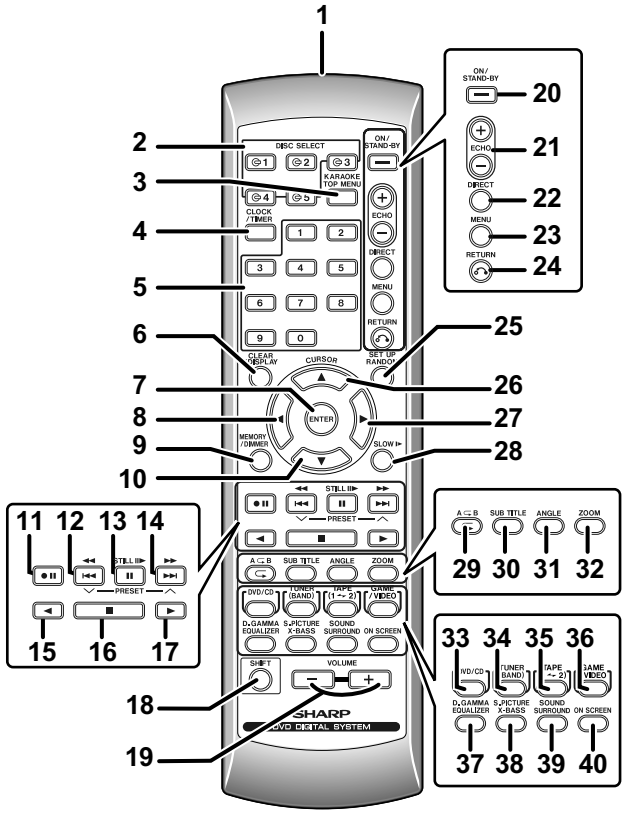
■ Rear panel

1. Audio Digital Output Socket
2. S-Video Output Socket
3. Cooling Fan
4. AC Voltage Selector
5. AC Power Lead
6. FM 75 Ohm Aerial Terminal
7. FM Aerial Earth Terminal
8. AM Loop Aerial Socket
9. Span Selector Switch
10. Video Output Socket
11. Speaker Terminals



■ Remote control

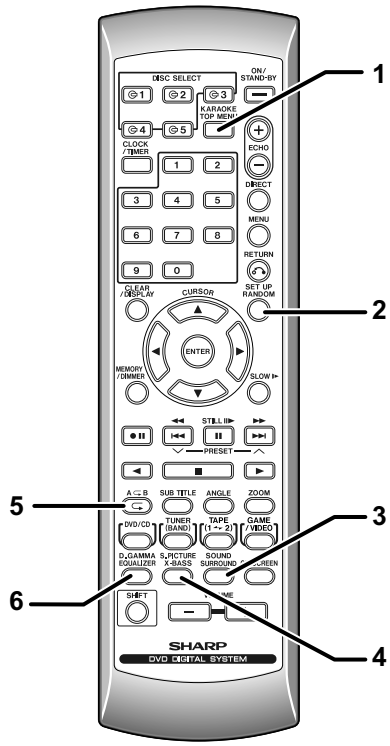
1. Remote Control Transmitter
2. Disc Number Select Buttons
3. DVD Top Menu Button
4. Clock/Timer Button
5. Direct Search Buttons
6. Clear/Display Button
7. Enter Button
8. Cursor Left Button
9. Memory/Dimmer Button
10. Cursor Down Button
11. Tape 2 Record Pause Button
12. DVD Chapter Skip, DVD/Video CD/CD/MP3/WMA Fast Reverse, Video CD/CD/MP3/WMA Track Down, Tape 2 Fast Wind and Tuner Preset Down, Time Down Button
13. DVD/Video CD/CD/MP3/WMA Pause Button
14. DVD Chapter Skip, DVD/Video CD/CD/MP3/WMA Fast Forward, Video CD/CD/MP3/WMA Track Up, Tape 2 Fast Wind and Tuner Preset Up, Time Up Button
15. Tape 2 Reverse Play Button
16. DVD/Video CD/CD/MP3/WMA/Tape Stop Button
17. DVD/Video CD/CD/MP3/WMA/Tape 1 Play, Tape 2 Forward Play Button
18. Shift Button
19. Volume Up/Down Buttons
20. On/Stand-by Button
21. Echo Level Up/Down Buttons
22. DVD Direct Button
23. DVD Menu Button
24. Return Button
25. CD Random Button
26. Cursor Up Button
27. Cursor Right Button
28. DVD/Video CD Slow Button
29. DVD/Video CD/CD/MP3/WMA Repeat Button
30. DVD Subtitle Button
31. DVD Angle Button
32. DVD Zoom Button
33. DVD/Video CD/CD/MP3/WMA Button
34. Tuner (Band) Button
35. Tape (1 ⟷ 2) Button
36. Game/Video Button
37. Equalizer Mode Select Button
38. Extra Bass Button
39. DVD 3-D Virtual Surround Button
40. DVD On Screen Button



CD-DV999W/CD-DV777W

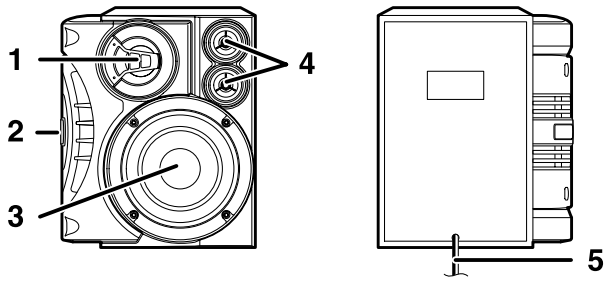
■ Remote control with shift button

1. Karaoke/Audio Mode Button
2. DVD Setup Button
3. DVD Sound Button
4. DVD Super Picture Button
5. DVD/Video CD/CD A-B Repeat Button
6. DVD Digital Gamma Button



CP-DV999/CP-DV777

1. Tweeter
2. Passive Radiator
3. Woofer
4. Super Tweeters
5. Speaker Wire



CHAPTER 2. ADJUSTMENTS

[1] Mechanism section

- Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

- Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
	—	70 to 180 g.cm

- Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz Speaker	Speaker Terminal (Load resistance: 6 ohms)

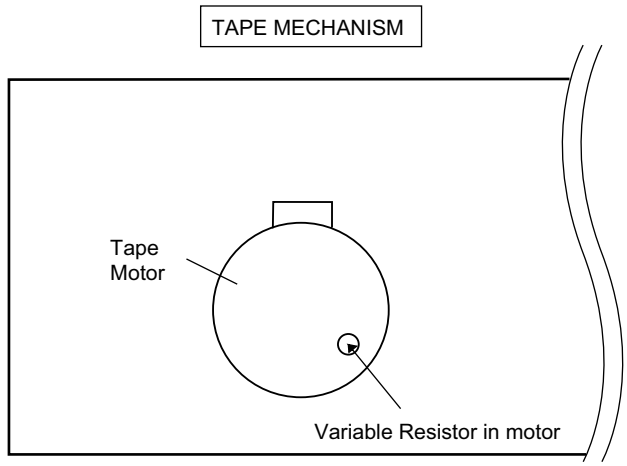


Figure 1

[2] Tuner section

fL: Low-range frequency

fH: High-range frequency

- AM IF/RF

  Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,602 kHz	T351	*1
AM Band Coverage	—	531 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna Output: TP302
*2. Input: Antenna Output: TP301

- FM RF

  Signal generator: 1 kHz, 40 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301 (fL): 1.3 V ± 0.1 V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker terminal

- FM IF

  Signal generator: 10.7 MHz, FM modulated

Test Stage	Frequency	Frequency Display	Setting/Adjusting Point	Instrument Connection
IF	10.7 MHz	98 MHz	T302 (Turn the core of transformer T302 fully counter clockwise)	*1

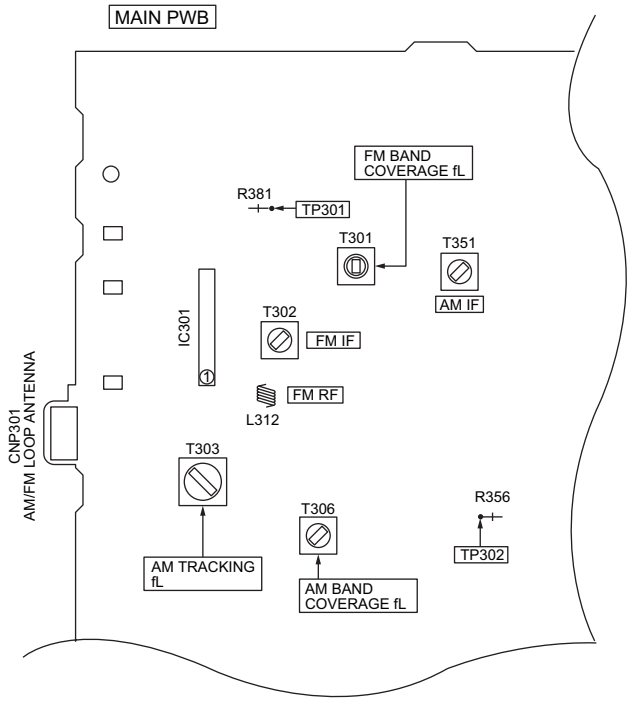


Figure 2 Adjustment Points

[3] DVD/CD section

1. DVD SECTION

- **Adjustment**

  Since this DVD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

  Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
   * Focus offset adjustment
   * Tracking offset adjustment
2) Tracking balance adjustment
3) Gain adjustment (The gain is compensated inside the IC so that the loop gain at the gain crossover frequency will be 0 dB.)
   * Focus gain adjustment
   * Tracking gain adjustment

DVD/CD Error code description

Error	Explanation
10*	CAM error. Can't detect CAM switch when CAM is moving.
11*	When it detect cam operation error during initialize process.
20*	TRAY error. Can't detect TRAY switch when TRAY is moving.
21*	When it detect TRAY operation error during initialize process.
30	When it change to DVD/CD function, DVD cannot read initial data.

* 'CHECKING'

  If Error is detected, 'CHECKING' will be displayed instead of 'ER-CD**'. 'ER-CD**' display will only be displayed when error had been detected for the 5th times.

[4] TEST Mode

1. TEST Mode Functions

1.1. Entering the TEST Mode

While holding down both the ■ button and the X-BUSS button of the main unit from the power-off state, press the POWER button to enter the Test Menu Mode.

1.2. Test mode processing

- When entering the TEST Mode, the ROM version are displayed as follows.

  Version on the FL display: UD***** (****: Version No.)

1.3. TEST Mode button

- Press direct designation button during the version display to enter the specified TEST Mode as shown below.

TEST MODE

No.	TEST Mode	Direct Designation Button
1	SHIPPING TEST	open/close
2	DVD TEST	DVD/CD
3	DVD DISPLAY TEST	disc 2

1.4. Canceling TEST Mode

1. Press the POWER button in each TEST Mode to display “CLEARAL” except SHIPPING TEST. Then reset and start.(Clear RAM.)
2. It is necessary to play-off the A/C cord after “FINISHED” is displayed on the FL for SHIPPING TEST

2. Shipping TEST Mode

2.1. Outline

- ID command for initialization is sent to the DVD unit and E2PROM in the unit is initialized.
- System Microcomputer and DVD changer initializerd

2.2. TEST Mode Operation

When entering the Shipping TEST Mode:

1. “WAIT” is displayed on the FL display.
2. “FINISHED” shall be kept displaying after Initiation is completed.

   Manually play off the A/C cord to get out of the TEST Mode.

   When Initialization is failed, “INIT ERR” remains to be shown on the FL display until play off the A/C cord.

2.3. Supplementary Note

1. When entering this TEST Mode, it is prohibited to press any key until the above processing is completed.

3. DVD TEST Mode

3.1. Outline

- To send key codes of the TEST Mode 1 to the DVD unit to start the TEST Mode.
- Thereafter the system’s microcomputer only sends key codes to the DVD unit.
- The main unit operation is started in the same way as the normal startup of the DVD/CD Function.
- Only monitor (video) output is normally controlled. “MUTE ON” remained.
- During this TEST Mode, “DVD TEST” is shown on the FL display and change to “DVD ****” (****: DVD version).

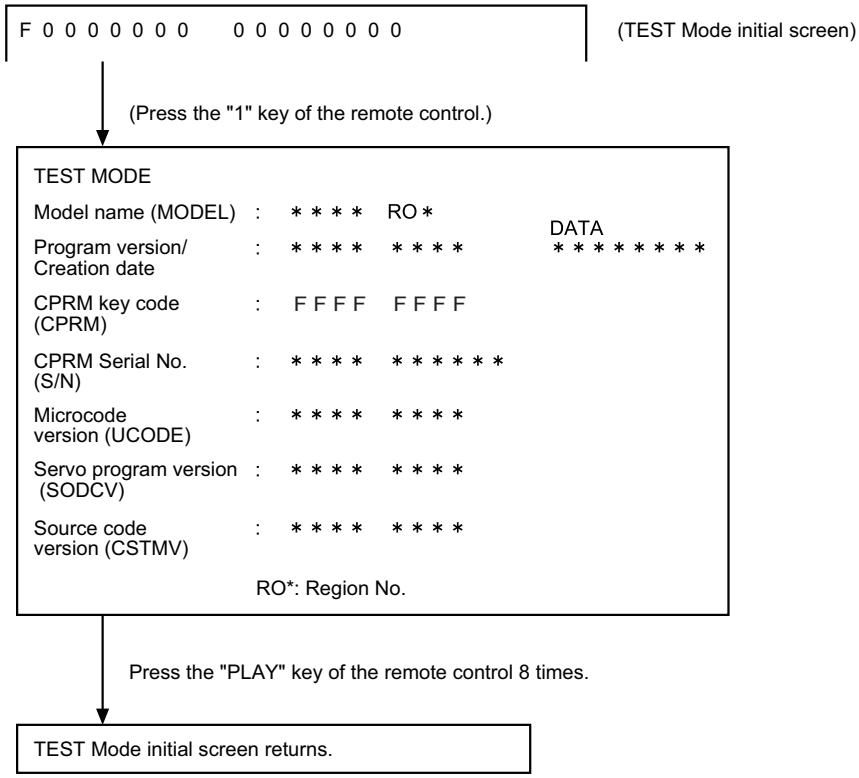
  (Display is shown by OSD. Main unit display not available.)

3.2. TEST Mode Operation

1. The TEST Mode is started in the same way as the normal startup of the DVD/CD Function. Then the DVD unit is normally started. During the TEST Mode, “DVD****” is continuously displayed.

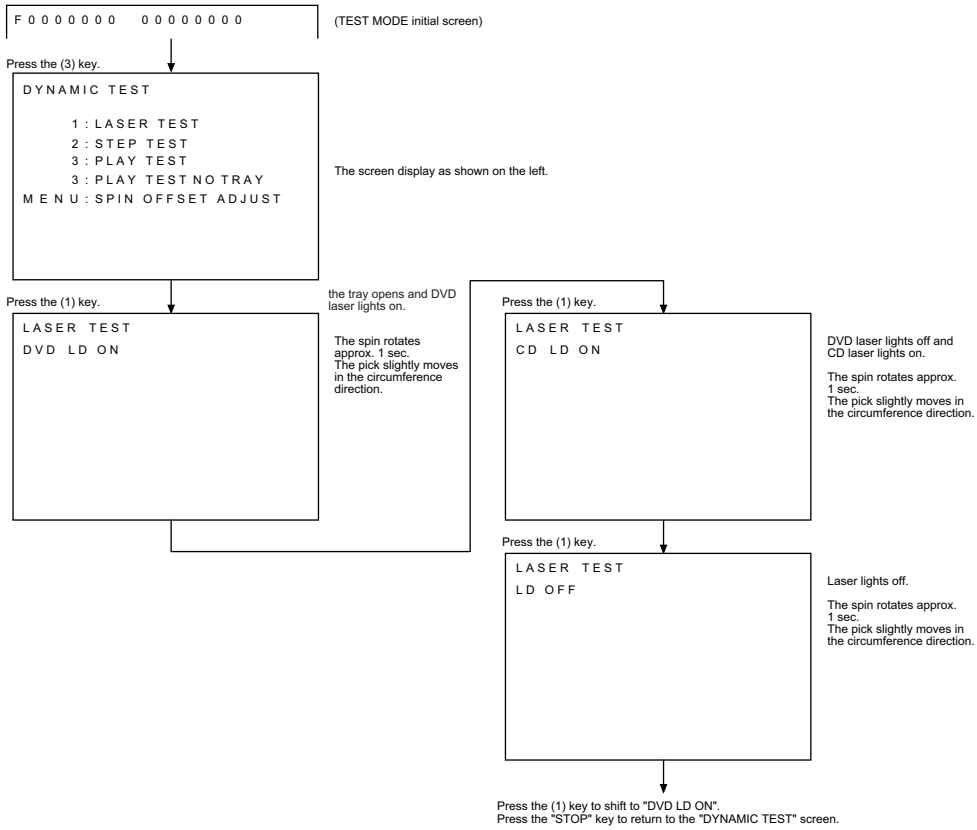
2. DVD TEST Mode

1. Press the DVD/CD button on the main unit from the TEST mode initial condition to enter "DVD TEST".



LASER TEST Mode

1. Press the DVD/CD button on the main unit from the TEST mode initial condition to enter "DVD TEST".



Step Execute Mode

1. Press the DVD/CD button on the main unit from the TEST mode initial condition to enter "DVD TEST".

```
F 0 0 0 0 0 0 0 0    0 0 0 0 0 0 0 0
```
(TEST MODE initial screen).

Press the (3) key.

```
DYNAMIC TEST

     1:LASER TEST
     2:STEP TEST
     3:PLAY TEST
     9:PLAY TEST NO TRAY
MENU : SPIN OFFSET ADJUST
```
The screen display as shown on the left.

Press the (2) key.

```
STEP TEST
TRAY OPEN
```
The tray opens. Put the disc on the tray.

Press the "PLAY" key.

```
STEP TEST
FOCUS ON
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
```
Focus On.

Press the "PLAY" key. DVD

```
STEP TEST
TRACKING ON
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  0 0 0 0               FBAL1                 0 0 0 0
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
```
Tracking On.
"* * * *": 4-digit alphanumeric also displayed for DVD double deck disc.

Press the "PLAY" key.

```
STEP TEST
FBAL STUDY
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
```
Focus balance adjustment values displayed.
"* * * *": 4-digit alphanumeric also displayed for DVD double deck disc.

Press the "PLAY" key.

```
STEP TEST
GAIN STUDY
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
FCGA0  4-digit alphanumeric  FCGA1                 * * * *
TKGA0  4-digit alphanumeric  TKGA1                 * * * *
```
Focus tracking gain adjustment values displayed.
4-digit alphanumeric also displayed for "*****" in the case of DVD double deck disc.

Press the "PLAY" key.

```
STEP TEST
DVD ID  8-digit numeric
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
FCGA0  4-digit alphanumeric  FCGA1                 * * * *
TKGA0  4-digit alphanumeric  TKGA1                 * * * *
FCBT0  4-digit alphanumeric  FCBT1                 * * * *
OFTR0  4-digit alphanumeric  OFTR1                 * * * *
```
Equalizer adjustment values and Off-track Level adjustment values displayed. 8-digit numeric of DVD ID grows.
"* * * *": 4-digit alphanumeric also displayed for DVD double deck disc.

Press the "STOP" key to return to the DYNAMIC TEST screen.
Turn the power from off to on to clear the Step Execute Mode.

Press the "PLAY" key. CD

```
STEP TEST
TRACKING ON
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  0 0 0 0               FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
```
Tracking On.
"0000": 4-digit alphanumeric also displayed for CD-RW.

Press the "PLAY" key.

```
STEP TEST
FBAL STUDY
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
```
Focus balance adjustment values displayed.
"0000": 4-digit alphanumeric also displayed for CD-RW.

Press the "PLAY" key.

```
STEP TEST
GAIN STUDY
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
FCGA0  4-digit alphanumeric  FCGA1                 * * * *
TKGA0  4-digit alphanumeric  TKGA1                 * * * *
```
Focus tracking gain adjustment values displayed.
"0000": 4-digit alphanumeric also displayed for CD-RW.

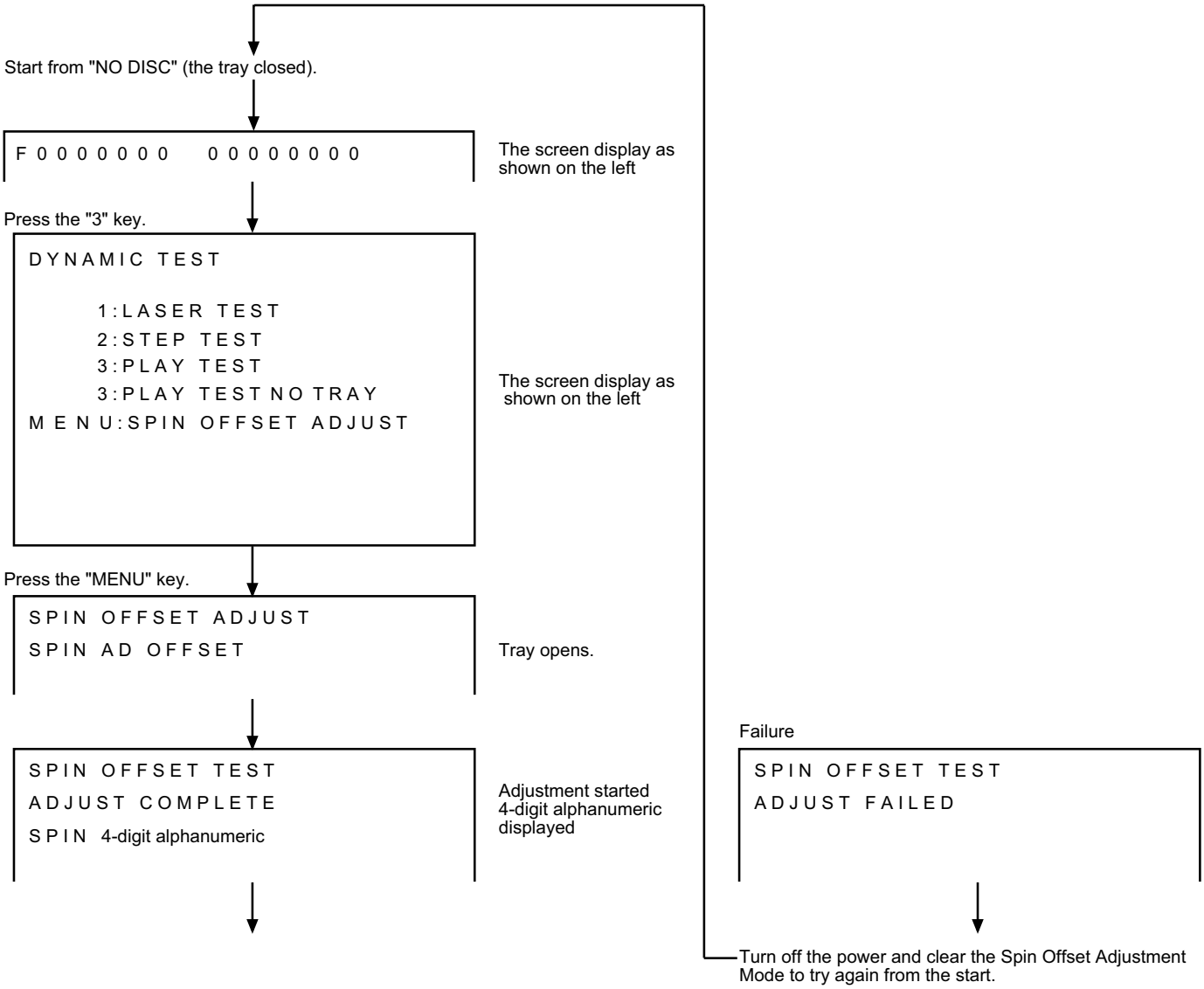
Press the "PLAY" key.

```
STEP TEST
CD NO 2-digit numeric   TIME  6-digit numeric
ASMAX  4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
FEPP   4-digit alphanumeric  4-digit alphanumeric  0 0 0 0
ASAGC  4-digit alphanumeric  ASAGC                 * * * *
TEAGC  4-digit alphanumeric  TEAGC                 * * * *
FBAL0  4-digit alphanumeric  FBAL1                 * * * *
TBAL0  4-digit alphanumeric  TBAL1                 * * * *
FCGA0  4-digit alphanumeric  FCGA1                 * * * *
TKGA0  4-digit alphanumeric  TKGA1                 * * * *
FCBT0  4-digit alphanumeric  FCBT1                 * * * *
TEOFS  4-digit alphanumeric  TEOFS  4-digit alphanumeric
```
Equalizer adjustment value and TES signal offset displayed.
6-digit numeric of the TIME counter grows.
"0000": 4-digit alphanumeric also displayed for CD-RW.

Press the "STOP" key to return to the DYNAMIC TEST screen.
Turn power from off to on to clear the Step Execute Mode.

Spin Offset Adjustment Mode

Note 1: After replacing the DVD main PWB unit and the DVD mechanism chassis unit, be sure to adjust spin offset.

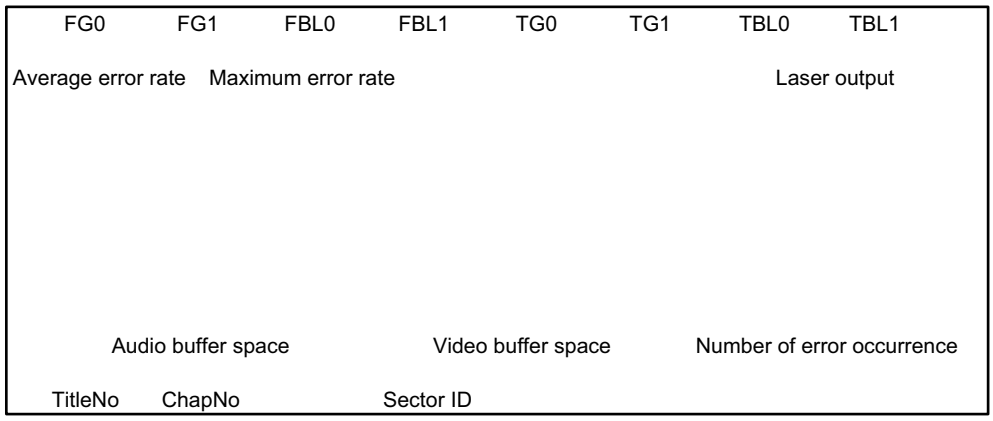


3.3. DVD Display Test

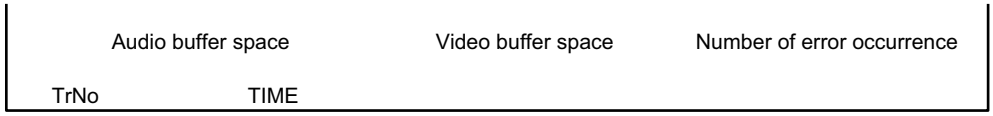
To display servo adjustment values, error rates, laser current, etc. during DVD playback.

1. Press the DISC 2 button on the main unit from the TEST Mode initial condition.
2. DVD starts up with “DVD” blinking on the FL display.
3. Press the Tuner/Band button to display DVD adjustment values, etc. Press it again and the display disappears and the normal screen returns.
   The error rates displayed are for reference; they are not the judging criteria.
4. Press the “Power” button to cancel this mode.

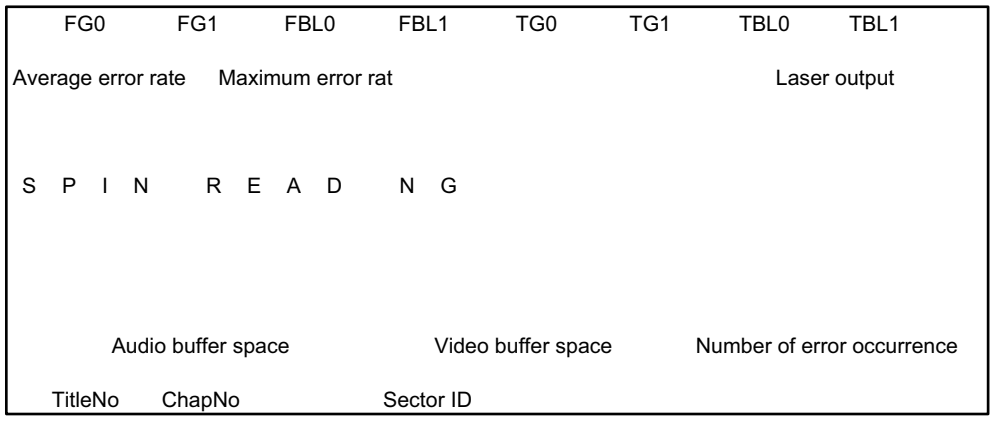
DVD



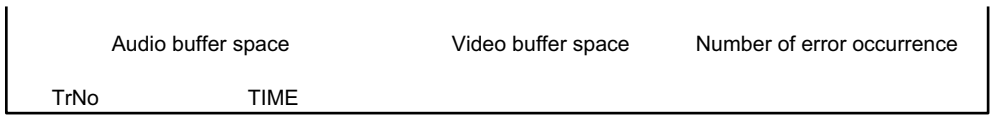
CD



When the Spin Offset Mode is never executed
DVD



CD

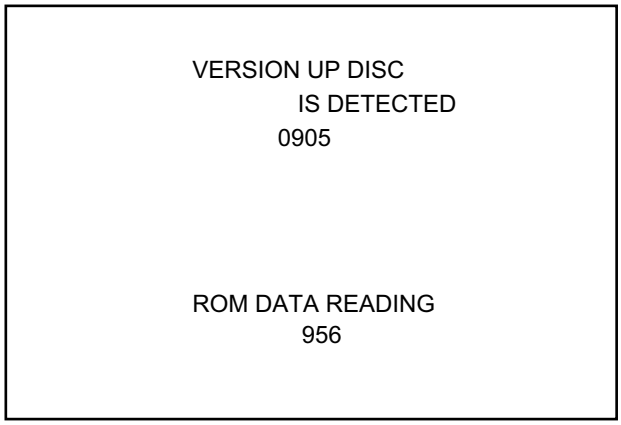


3.4. ROM Rewrite Mode

1. Creating version upgrade disc
   - Write the following three files on CD-R/CD-RW.
     - !$#%&'().@{}
     - D-combo3.cdr
     - ********.bin

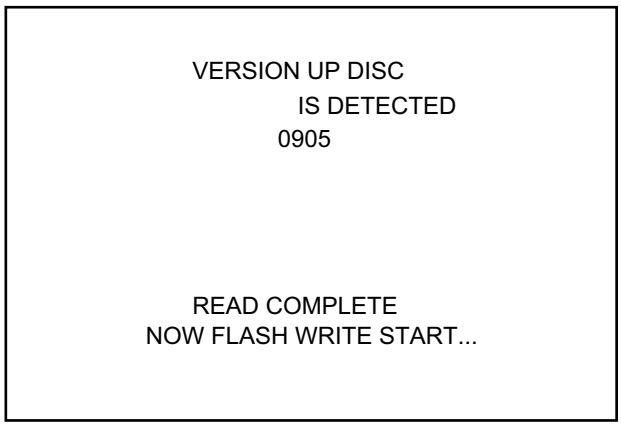
     (********: Names differ according to versions)
   - Write the files at lowest possible speed.
   - Do not mix other data.
2. During normal power-on, insert the version upgrade disc.
3. After the version upgrade disc is normally determined, the message, "VERSION UP DISC IS DETECTED" and the version are displayed on OSD. Then ROM data read is started.

OSD display (Example)



4. When the data read is completed, "NOW FLASH WRITE START…" is displayed on OSD. Then the Flash Rom rewrite is entered.

OSD display (Example)



5. When rewrite is normally completed, "FL W: END" is displayed on the main unit. Eject the disc automatically coming out from the tray. Then turn the power off.
6. If "FL W: ERR" or "CANT READ" is displayed on the main unit or "FL W: END" is not displayed after 10 minutes, turn the power off to try again from the start.
7. Confirming the version
   - A few moments after entering the DVD TEST Mode, "DVD ****" is displayed on the main unit.

     (****: 4-digit numeric version code)
   - To confirm the detailed version information, press the "1" key of the remote control.

     The system information is displayed on the OSD display. ("********": Version name) Check that the version name conforms to the write data.

Description of version name

* The format may be changed.

Example: VER: VXW0223A
From the left:
V : Video model
X : CD-DV***W
W : Southeast Asia
0 2 2 3 A : Version

ex) V X W 0 2 2 3 A
- ② Destination
- ① Model
- V: Video model/A: Audio/Model for SACD

① Model
X : CD-DV***W

② Destination
J : Japan
H : Europe
U : USA
K : Korea/Philippines
W : Southeast Asia
A : Australia
Z : Middle East
C : China
M : Mexico

8. Press the POWER button to display "CLEARAL"
   - Reset and start the system microcomputer to control the TEST MODE.

3.5. List of Keys Used for DVD TEST Mode and Transmit Key Codes to the Unit

Button for System Communication	Button Code	Button Code HEX Value	Remarks
C-PLAY	Play	26h	
C-PAUSE/STILL (Remote Control)	Pause/still	29h	
C-STOP (Remote control)	Stop	27h	
C-STOP (Main Unit)	Stop	27h	
SKIP-UP/CUE	Skip+	2Ch	In this TEST Mode Skip+/Next button code (2Ch) is constantly transferred.
SKIP-DWN/REV	Skip-	2Bh	In this TEST Mode Skip-/Prev button code (2Bh) is constantly transferred.
SKIP-UP (Remote Control)	Skip+	2Ch	
SKIP-DWN (Remote Control)	Skip-	2Bh	
REPEAT (Remote Control)	Repeat	32h	
A-B repeat (Remote Control)	A-B Repeat	49h	
PROGRAM (Remote Control)	Program	1Fh	
“1” key (Remote Control)	1	01h	
“2” key (Remote Control)	2	02h	
“3” key (Remote Control)	3	03h	
“4” key (Remote Control)	4	04h	
“5” key (Remote Control)	5	05h	
“6” key (Remote Control)	6	06h	
“7” key (Remote Control)	7	07h	
“8” key (Remote Control)	8	08h	
“9” key (Remote Control)	9	09h	
“0” key (Remote Control)	0	0Ah	
ENTER (Remote Control)	Enter	70h	
MENU (Remote Control)	MENU	68h	
SLOW> (Remote Control)	SLOW>	72h	

Buttons used for the TEST Mode are shown above. When pressing the following DVD-related buttons, corresponding button codes are transmitted.

ON SCREEN, SURROUND, CUE, REVIEW, Curser ↑, ↓, ←, →, RETURN, ZOOM, TOP-MENU, CLEAR, RANDOM subtitle, angle, sound, DVD MENU, Gamma, S-picture, DIRECT, DISPLAY, SET-UP.

3.6. Supplementary Note

1. Do not press buttons other than the DVD-related buttons, except for the Power button. Do not switch functions; do not control volumes.
   For the electronic volume IC and the monitor output control, constantly fix the setting to DVD/CD function.

4. CD-ROM Write Mode

4.1. Outline

DVD-ROM can be upgraded from CD-ROM. The write mode is entered from the normal mode.

1. When any CD-ROM for version upgrade DVD is detected, the status informs that the version upgrade ROM is being read.

   When DVD microcomputer is changed to System microcomputer and byte 24 status data detects 0Fh:

   - The TEST Mode is entered by the status reception. (Required to be internally recognized.)
   - The Power button /Function switching is prohibited.

     (Power supply is necessary until write is completed.)
   - It is prohibited to accept any button input until write is completed.
   - Change the display as follows:

     TOC READ

2. To expand into RAM, DVD performs read-operation.
3. When reading ends, transmission stops for writing.

   (Ignore stoppage of transmission during write.)

   When transmission stops, the transmission port receives write states, which are displayed according to port states.

	DVD DATA	DVD CLK	State	Unit display
1	L	H	During read	FLASH WR
2	H	L	During write	FL W : S T R
3	H	H	Write ended	FL W : E N D
4	L	L	Write error	FL W : E R R

4. The DVD/CD tray will automatically open when end of rewrite is detected.

   (The DVD status is not relevant since there is no communication.)
5. To close the DVD/CD door, cancel the TEST Mode and reset when the Power button is pressed.
6. To initialze the E2PROM, do the shipping TEST mode.

Standard Specification of Stereo System Error Message Display Contents

Error Contents		Display	Notes
CD	CD Changer Mechanism Error.	'ER-CD**' (*)	10: CAM SW Detection NG during normal operation 11: CAM SW Detection NG during initialize process 20:TRAY SW Detection NG during normal operation 21:TRAY SW Detection NG during initialize process
	DVD Communication Error.	'ER-CD30'	DVD COMMUNICATION ERROR.
	Focus Not Match/IL Time Over.	'NO DISC'	
TUNER	PLL Unlock.	FM 87.50 MHz	PLL Unlock.

(*) CHECKING:

If CD changer mechanism error is detected, 'CHECKING' will be display instead of 'ER-CD**'. 'ER-CD**' display will only be display when error had been detected for the 5 th times.

Speaker abnormal detection and +B PROTECTION display

In case speaker abnormal detection or +B PROTECTION had occurred, it can be check by pressing 'POWER', ' ■ ' and 'X-BASS' button. MicroComputer version number will displayed as "UD".

Press ‘GAME/VIDEO’ button during version number display and then press ‘POWER’, ‘MEMORY/SET’ and ‘GAME/VIDEO’ button. Display will show "S** B**". S is referring to speaker abnormal detection and B is referring to +B PROTECTION. ** is in hex valve.

+B PROTECTION is condition when irregular process occur on power supply line.

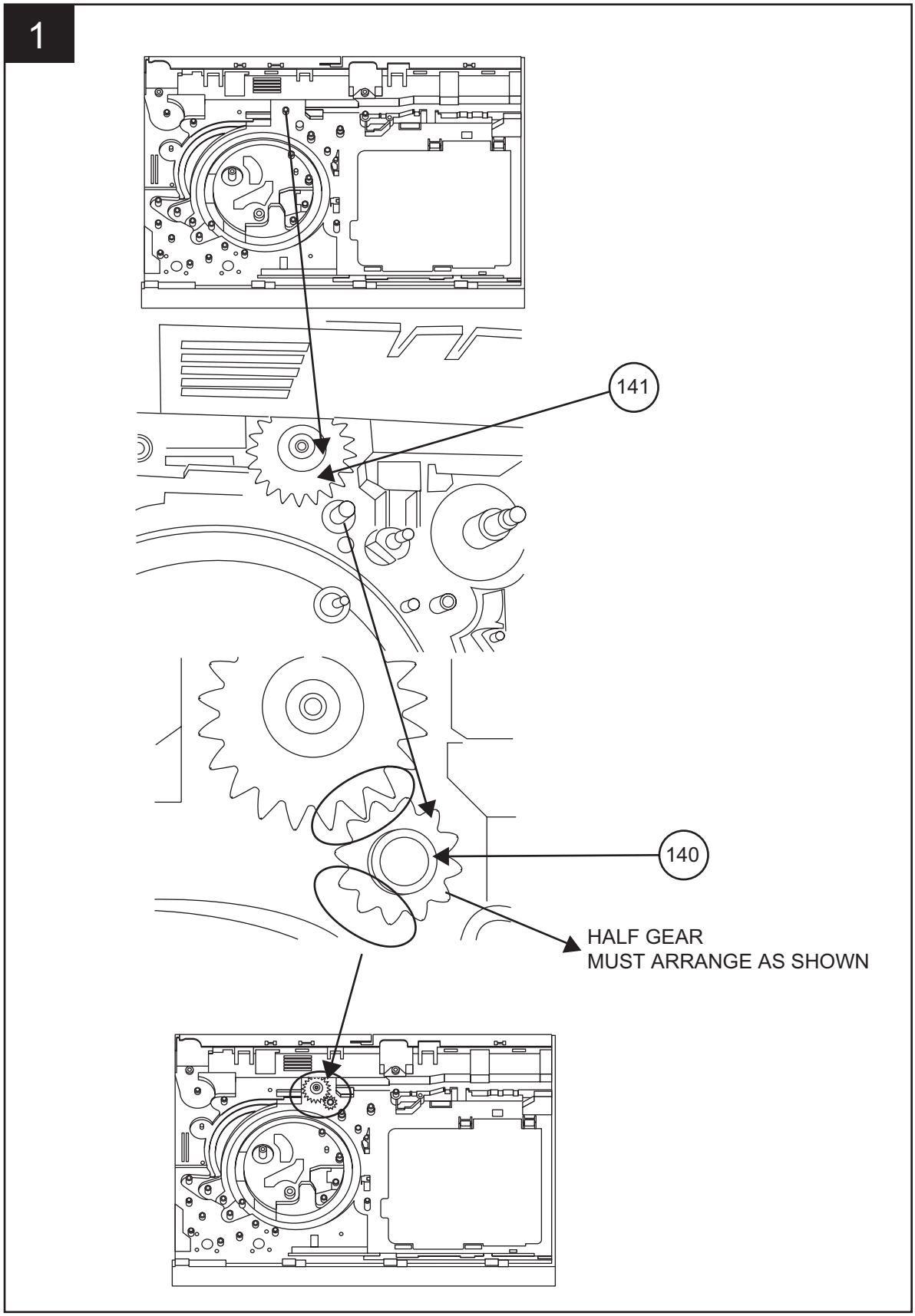
BEFORE TRANSPORTING THE UNIT

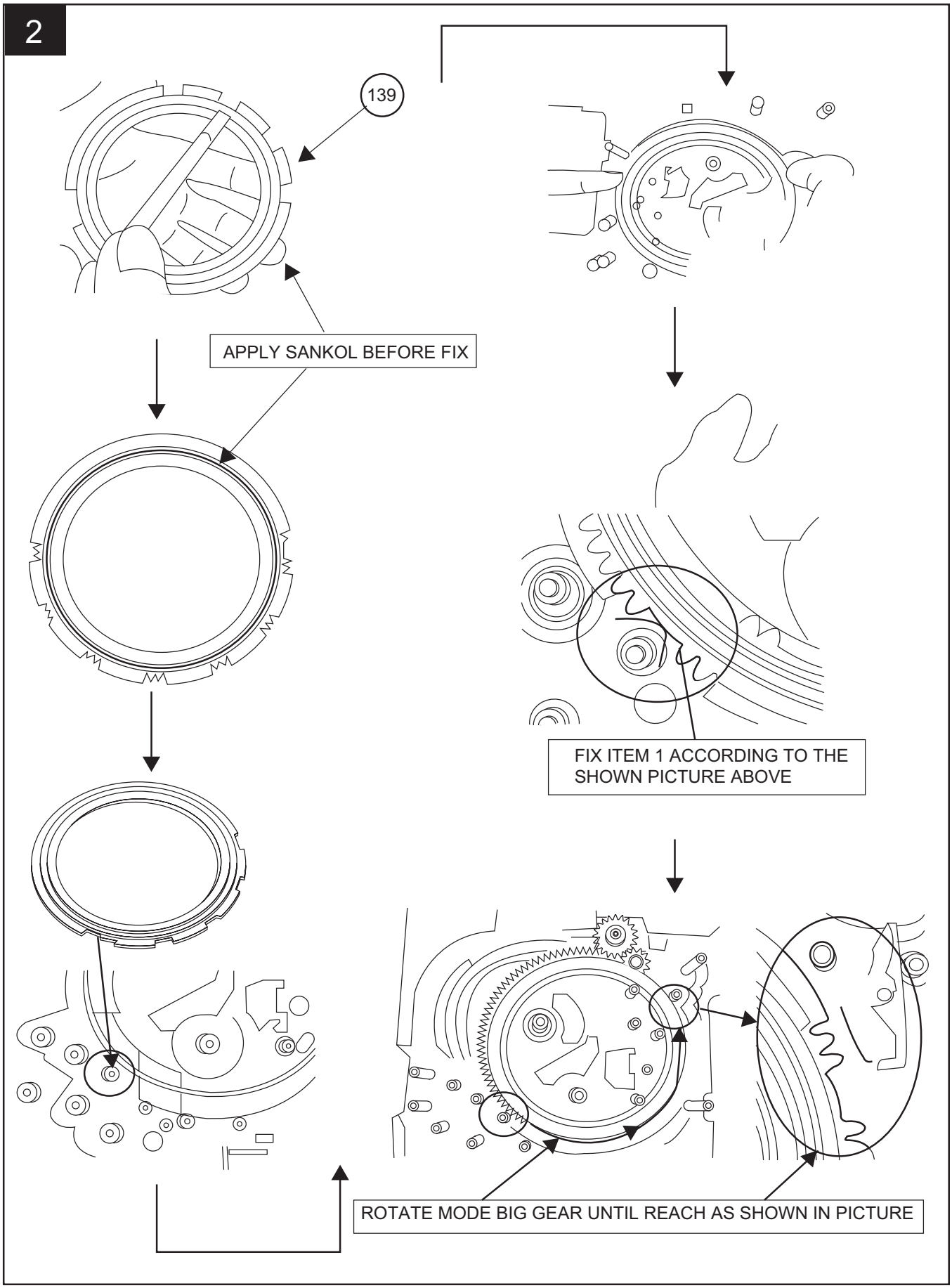
The following process need to be taken after set tapering/parts replacement.

7. Press the ON/STAND-BY button to enter stand-by mode.
8. While pressing down the ■ button and the X-BASS/DEMO button, press the ON/STAND-BY button. The Micro Computer version number will be displayed as "UD".
9. Press OPEN/CLOSE button until "WAIT"→ "FINISHED" appears.
10. Unplug the AC cord and the unit is ready for transporting.

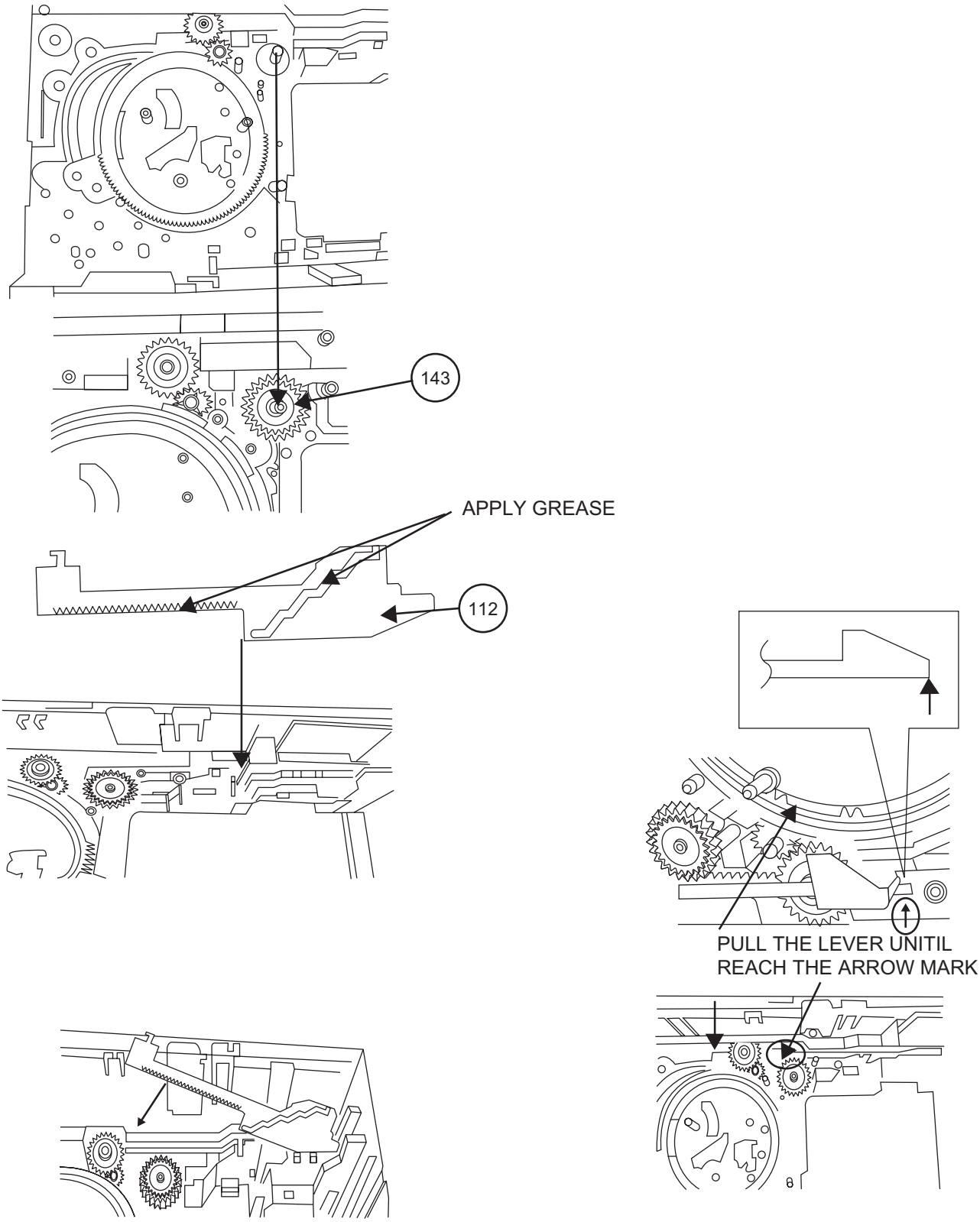
[5] CD Changer mechanism section

- A number in the drawing sheet is the number of the parts guide (CHANGER MECHANISM PARTS).




2
139
APPLY SANKOL BEFORE FIX
FIX ITEM 1 ACCORDING TO THE SHOWN PICTURE ABOVE
ROTATE MODE BIG GEAR UNTIL REACH AS SHOWN IN PICTURE

3


143
APPLY GREASE
112
PULL THE LEVER UNITIL
REACH THE ARROW MARK

4

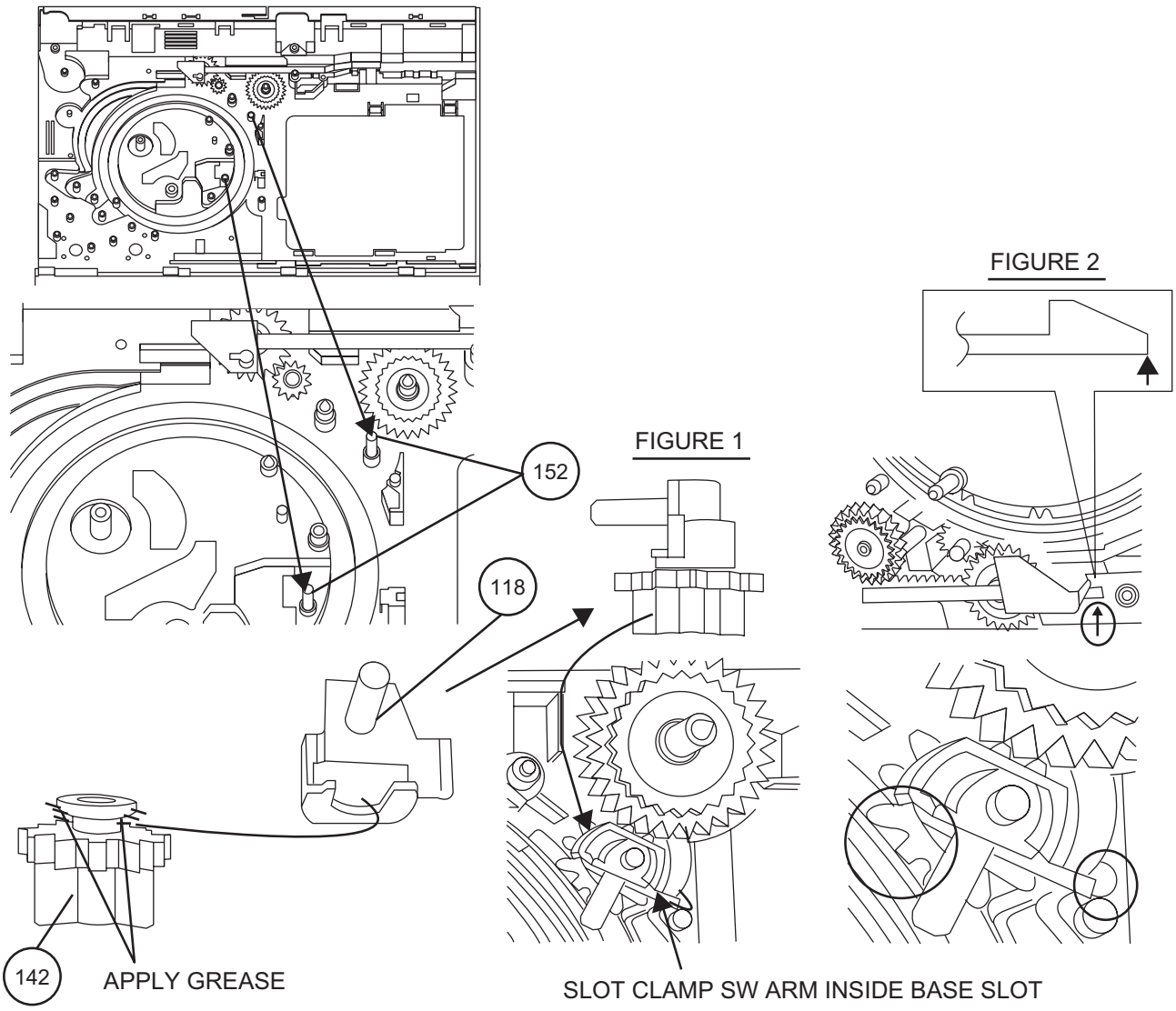


FIGURE 1

FIGURE 2

5

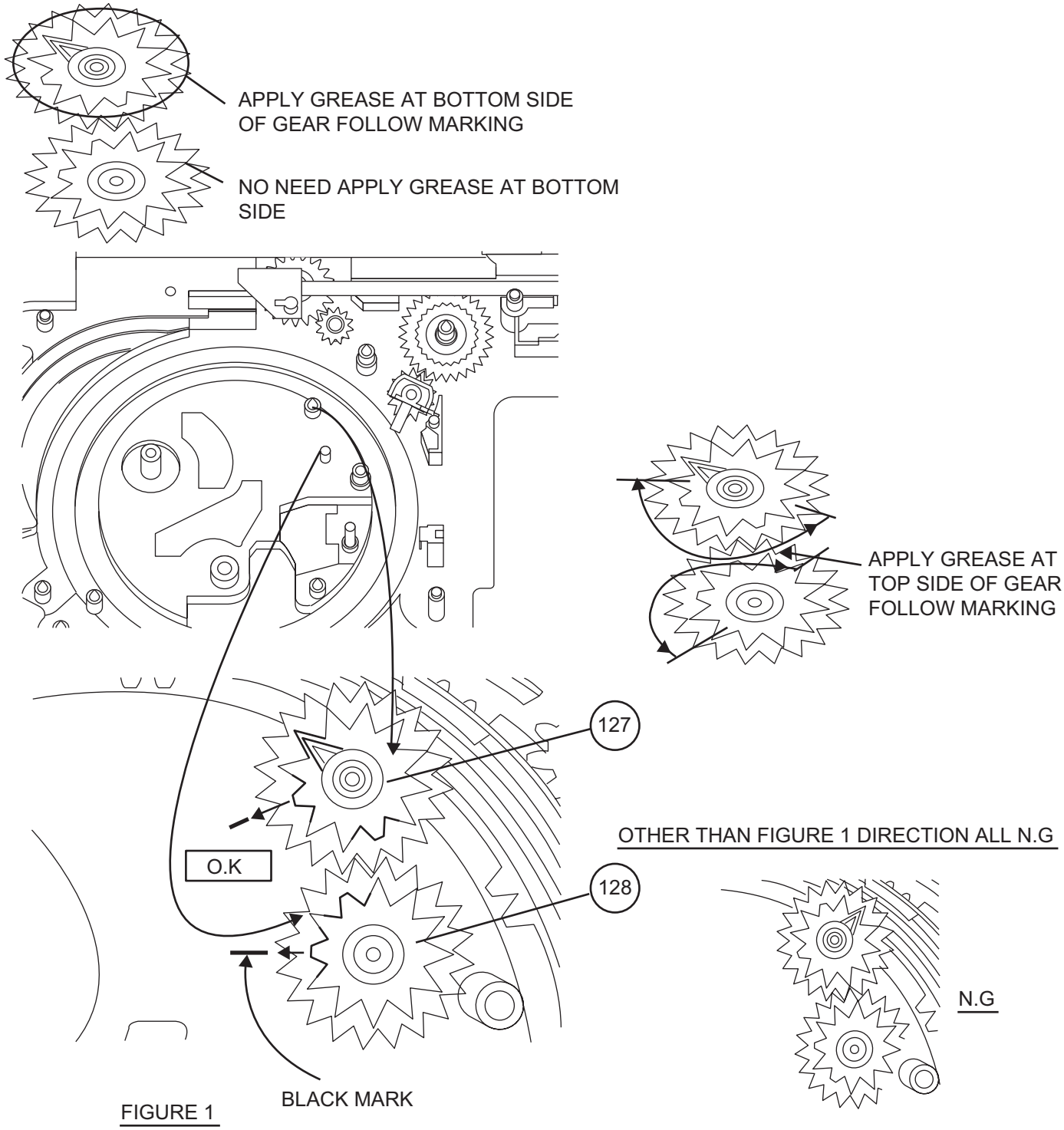
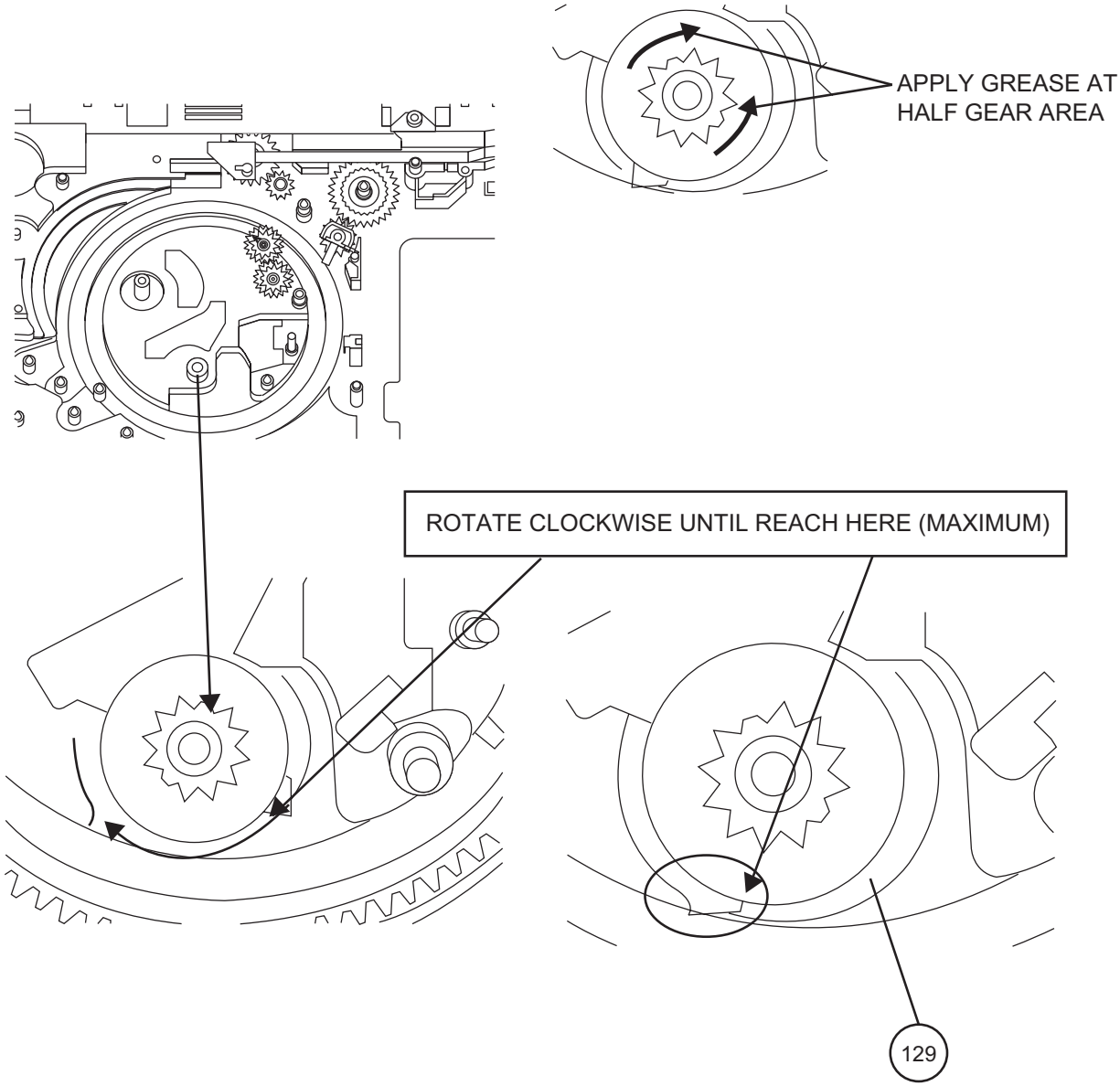
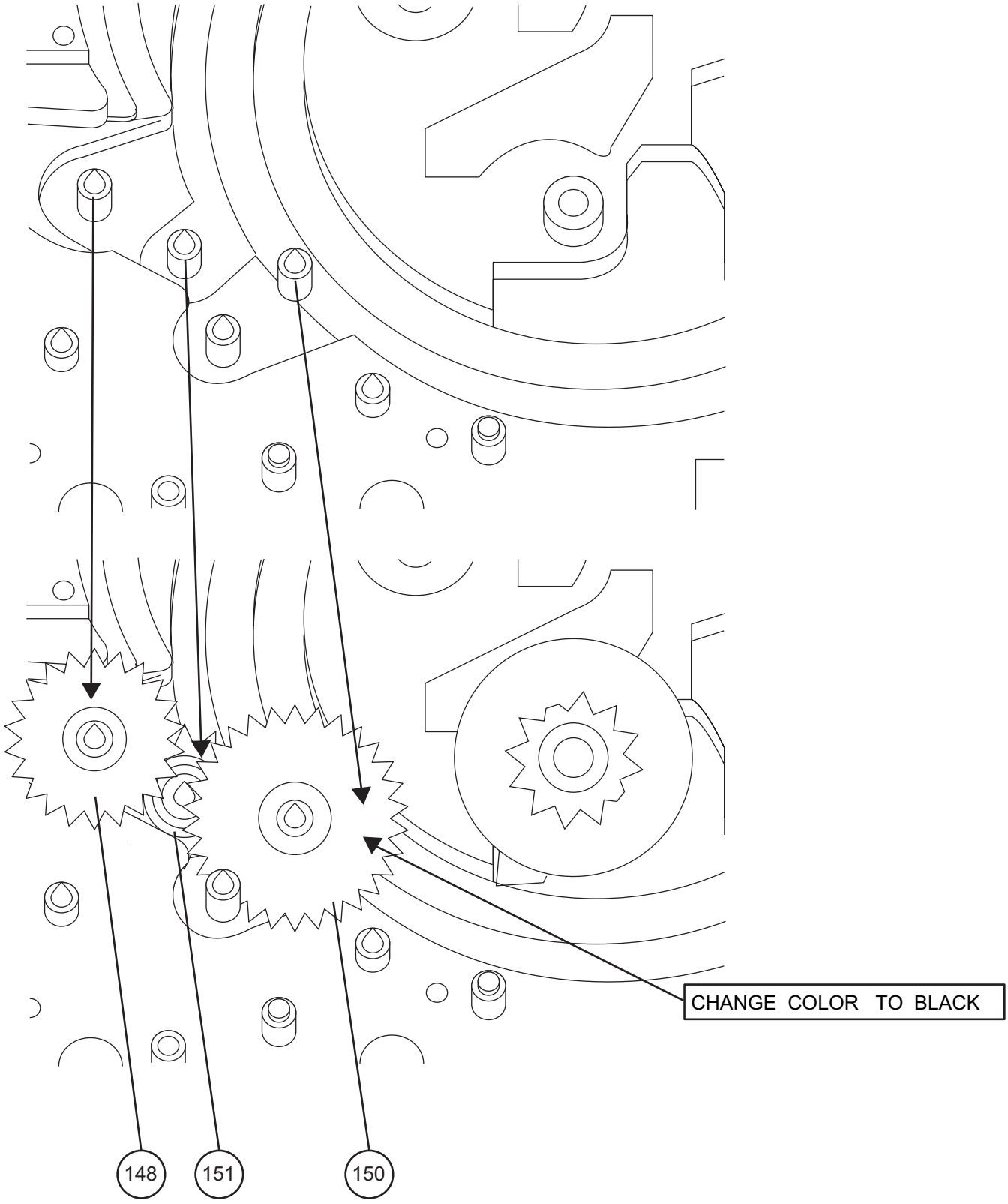

APPLY GREASE AT BOTTOM SIDE OF GEAR FOLLOW MARKING
NO NEED APPLY GREASE AT BOTTOM SIDE
APPLY GREASE AT TOP SIDE OF GEAR FOLLOW MARKING
127
128
O.K
OTHER THAN FIGURE 1 DIRECTION ALL N.G
N.G
BLACK MARK

FIGURE 1

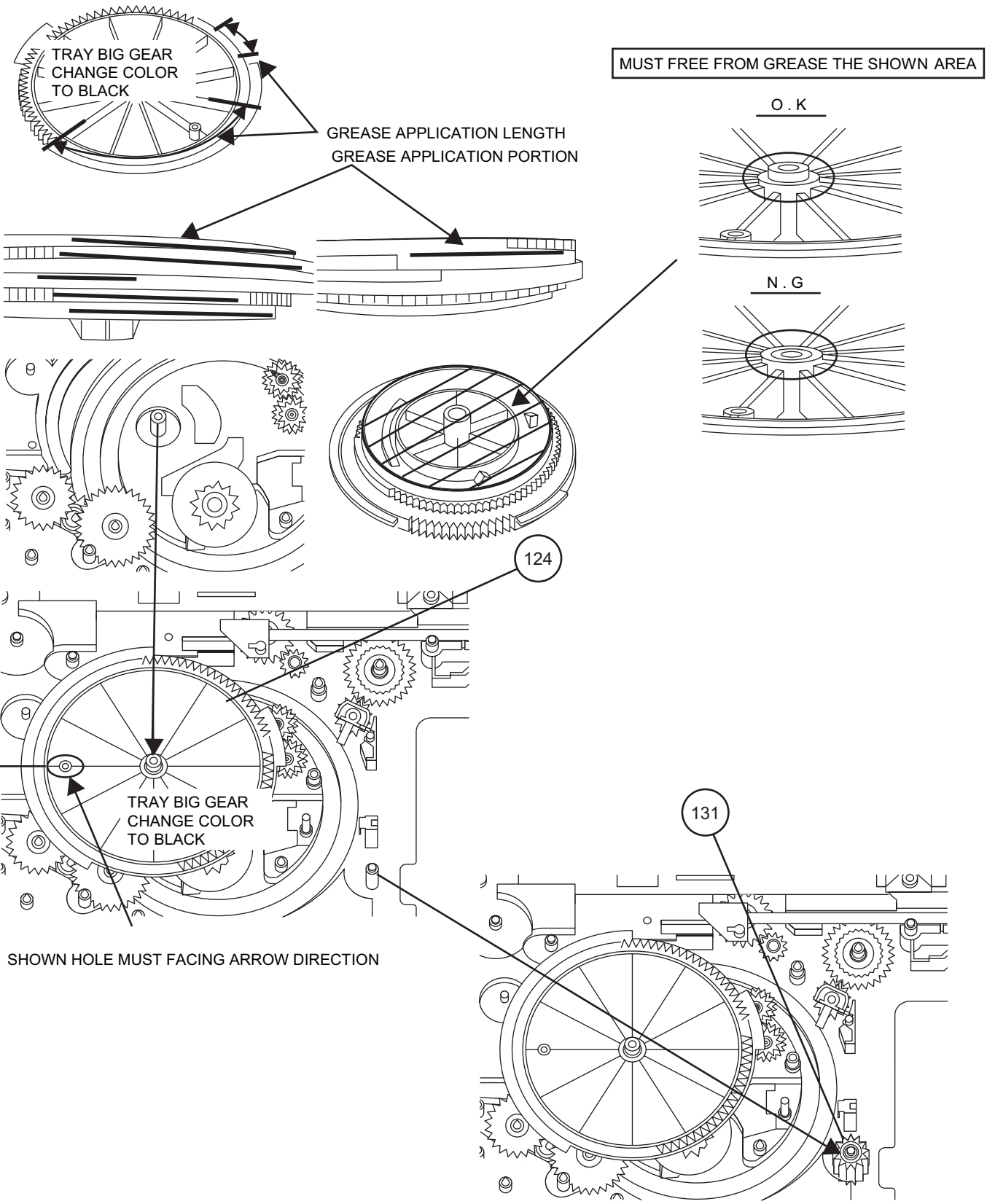
6

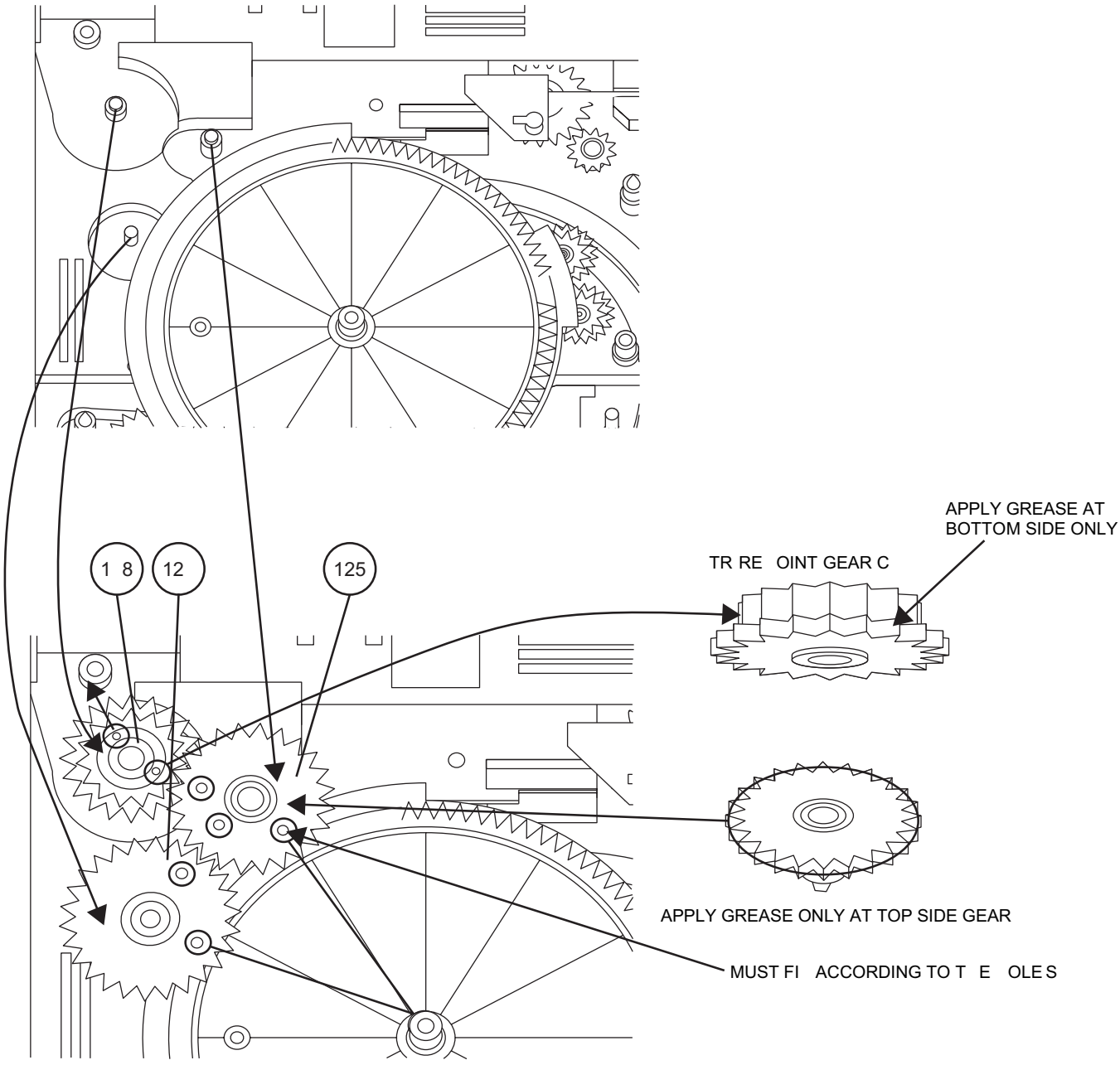

APPLY GREASE AT
HALF GEAR AREA
ROTATE CLOCKWISE UNTIL REACH HERE (MAXIMUM)
129

7

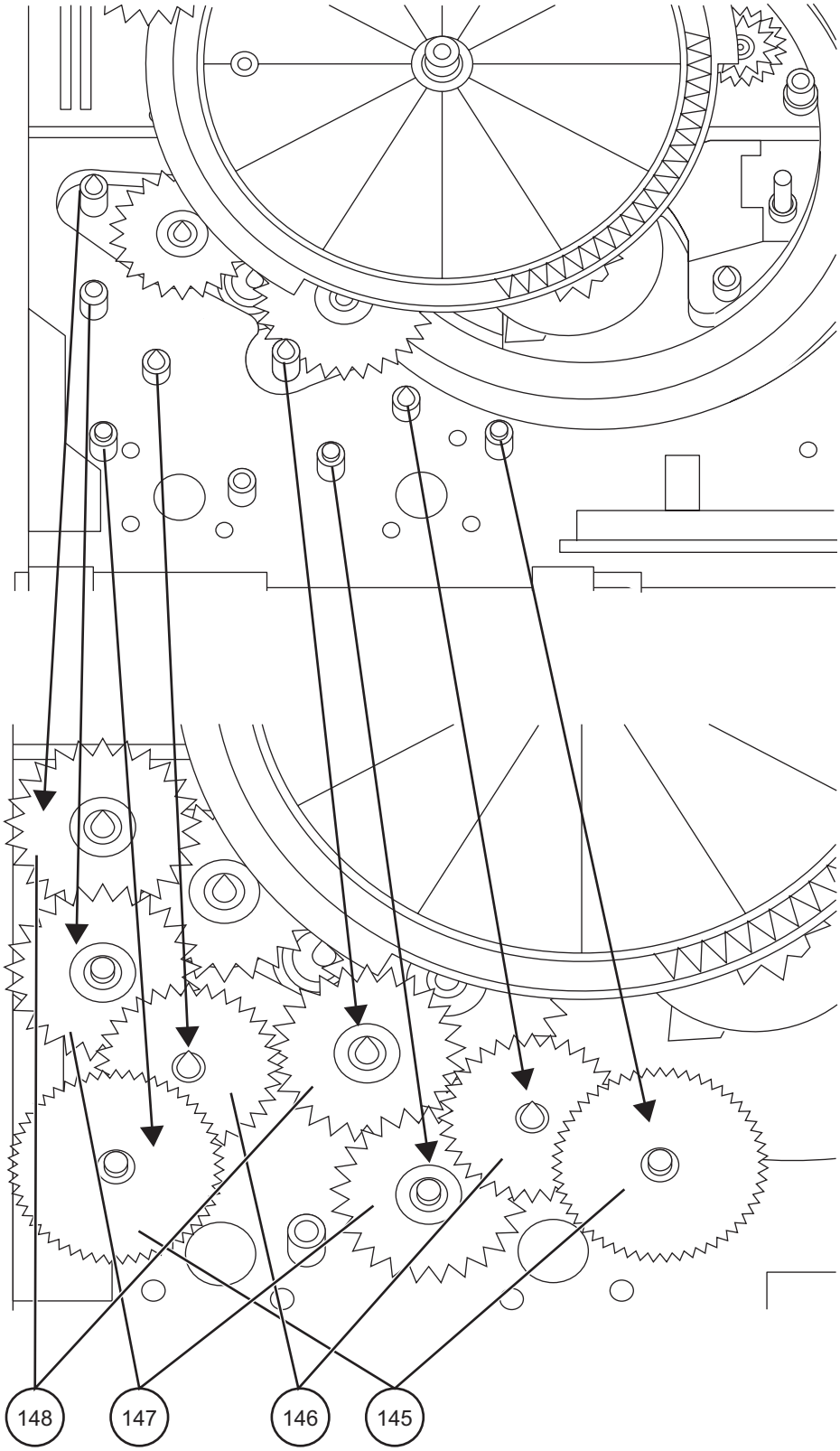


8

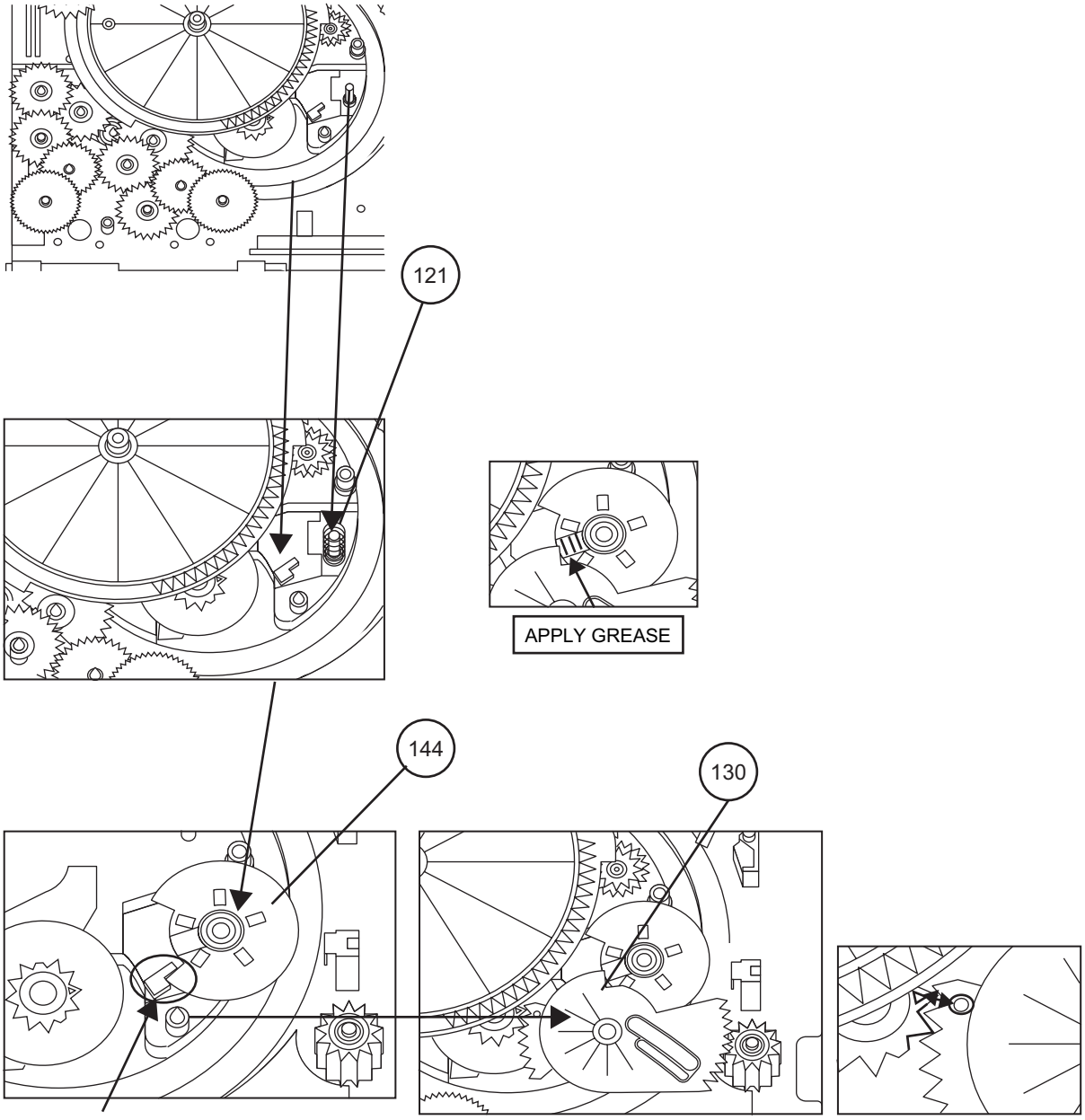

TRAY BIG GEAR
CHANGE COLOR
TO BLACK
GREASE APPLICATION LENGTH
GREASE APPLICATION PORTION
MUST FREE FROM GREASE THE SHOWN AREA
O . K
N . G
124
TRAY BIG GEAR
CHANGE COLOR
TO BLACK
131
SHOWN HOLE MUST FACING ARROW DIRECTION


APPLY GREASE AT
BOTTOM SIDE ONLY
1 8
12
125
TR RE OINT GEAR C
APPLY GREASE ONLY AT TOP SIDE GEAR
MUST FI ACCORDING TO T E OLE S

10

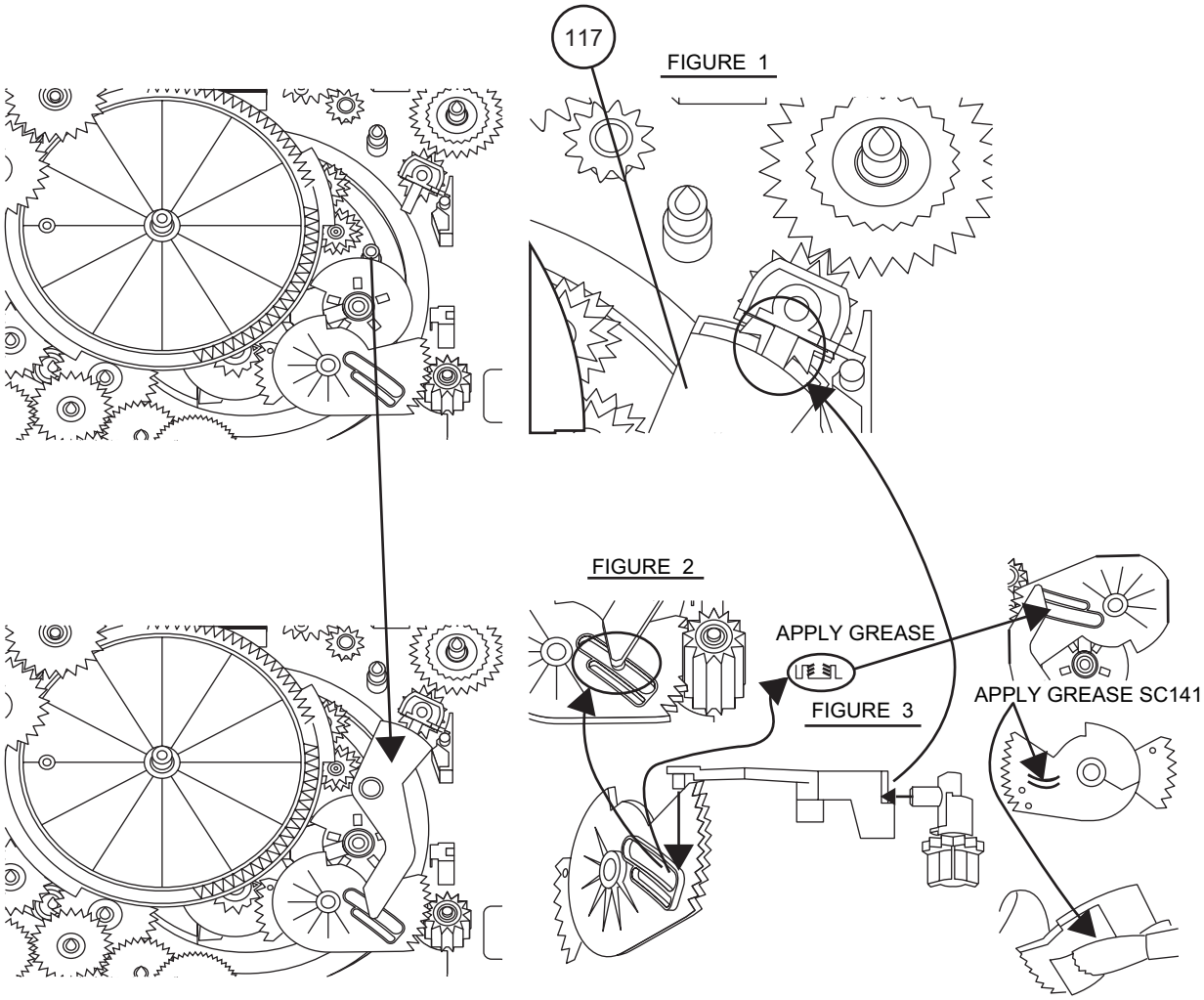


11

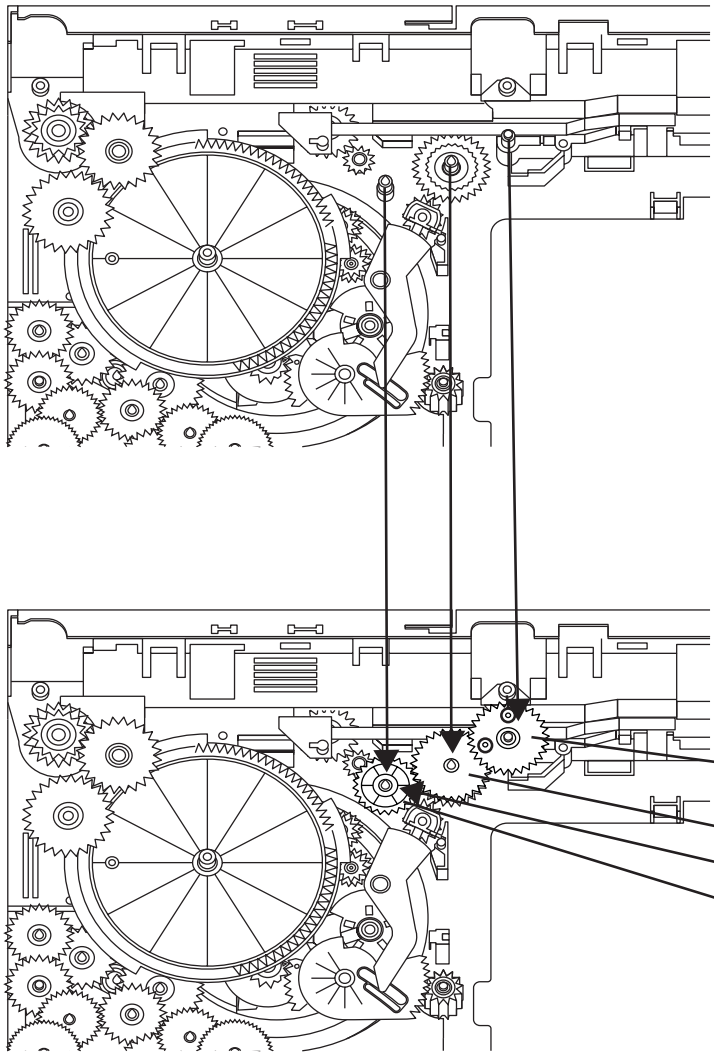


WHEN FIXING ITEM 2 MUST FOLLOW AS SHOWN

12


117
FIGURE 1
FIGURE 2
APPLY GREASE
FIGURE 3
APPLY GREASE SC141

13



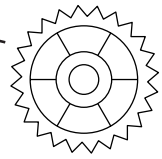
ITEM 2 , 3 MUST APPLY GREASE ON TOP SIDE GEAR ONLY

134

133

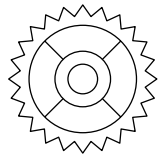
132

GEAR 112
O . K



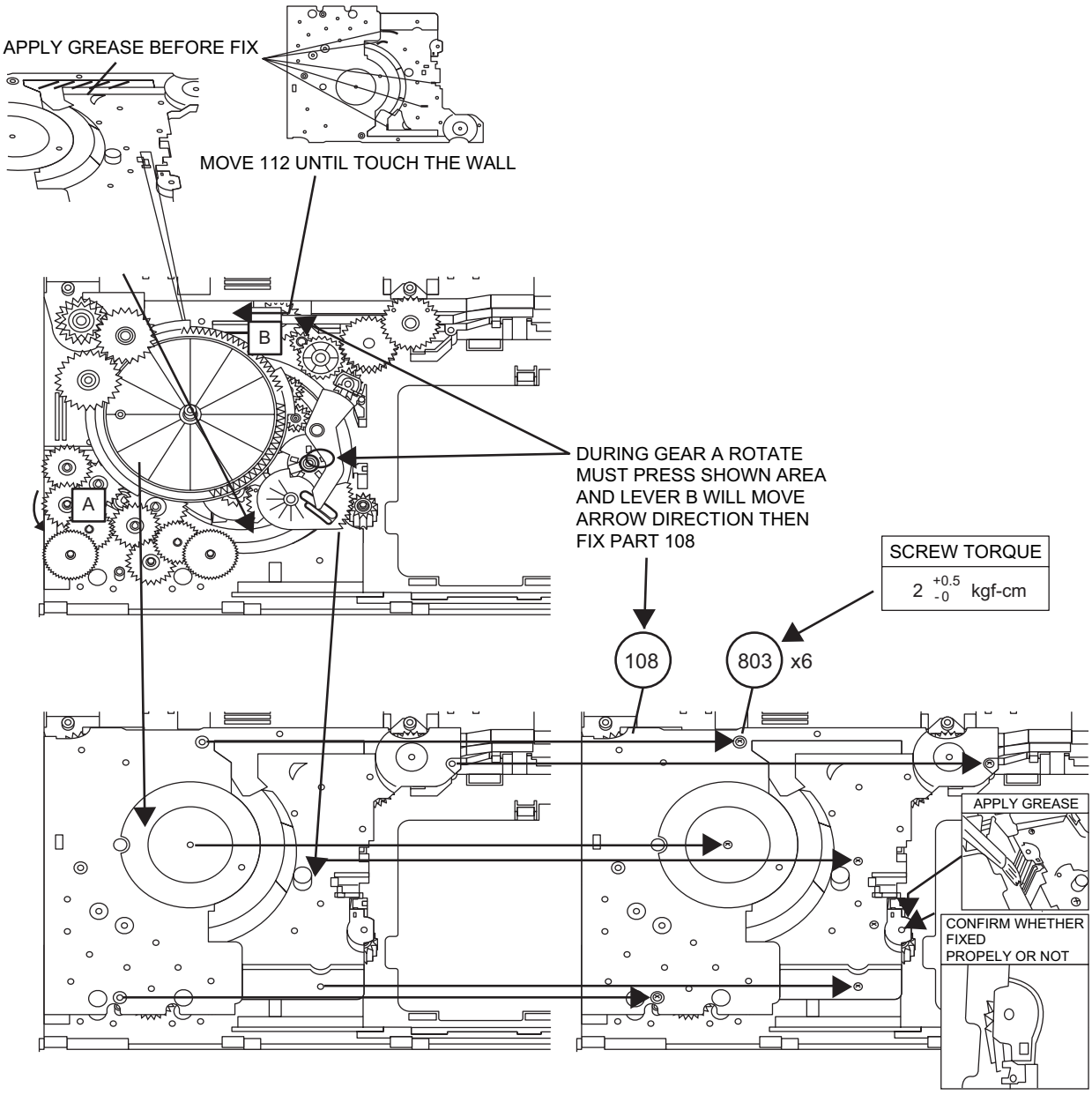
TOP VIEW AFTER ASSY

GEAR 112
N . G

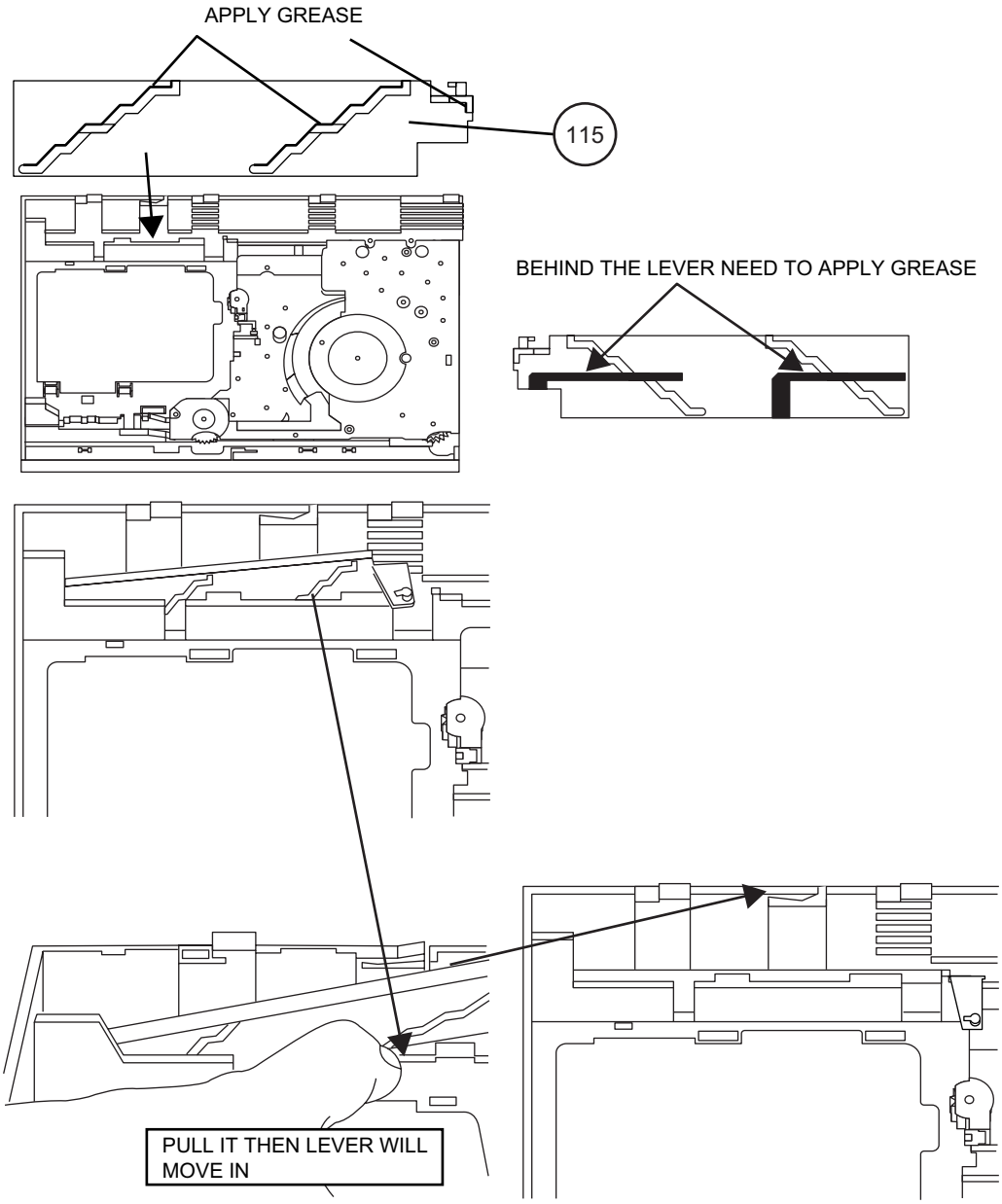


FIX REVERSE N.G

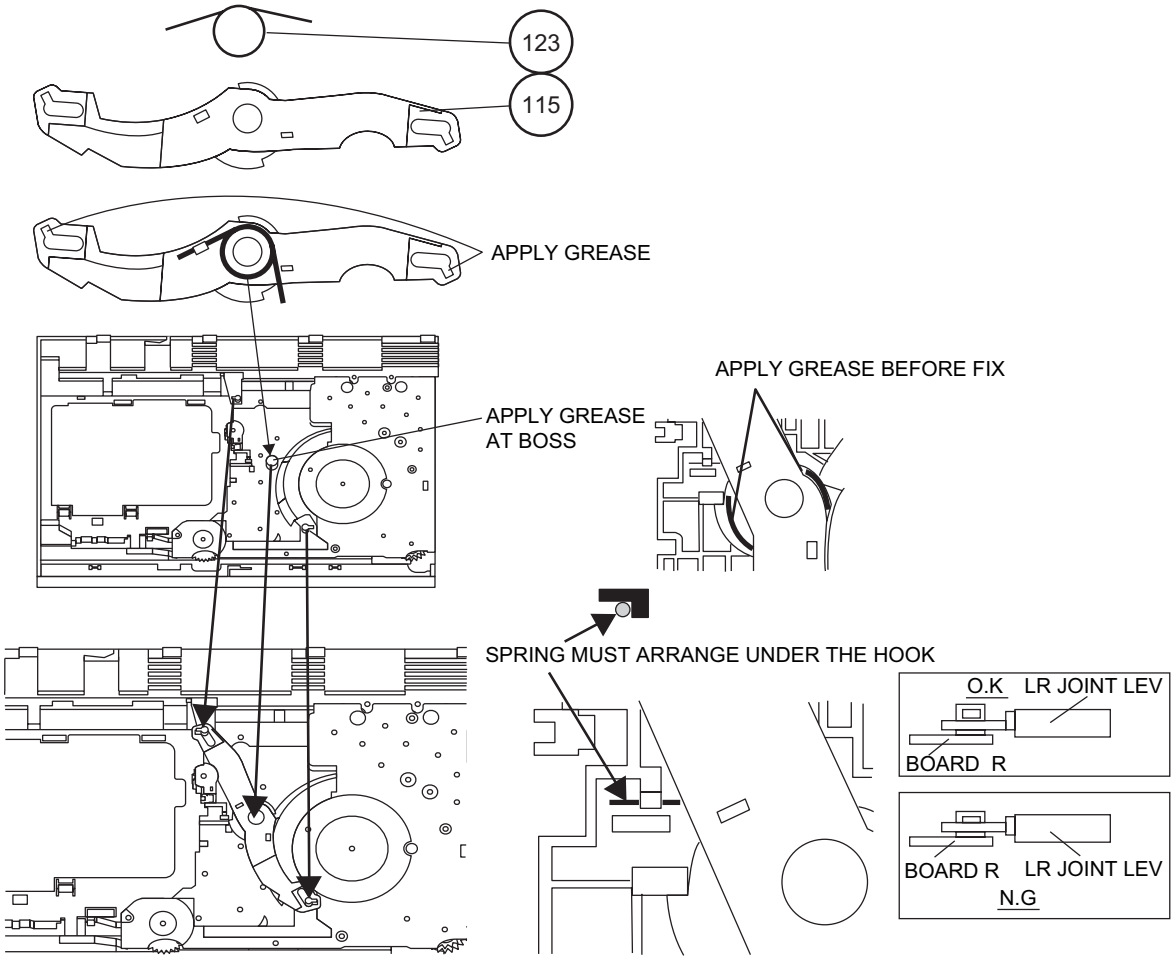
14


APPLY GREASE BEFORE FIX
MOVE 112 UNTIL TOUCH THE WALL
B
A
DURING GEAR A ROTATE
MUST PRESS SHOWN AREA
AND LEVER B WILL MOVE
ARROW DIRECTION THEN
FIX PART 108
SCREW TORQUE
2 +0.5 -0 kgf-cm
108
803 x6
APPLY GREASE
CONFIRM WHETHER
FIXED
PROPELY OR NOT

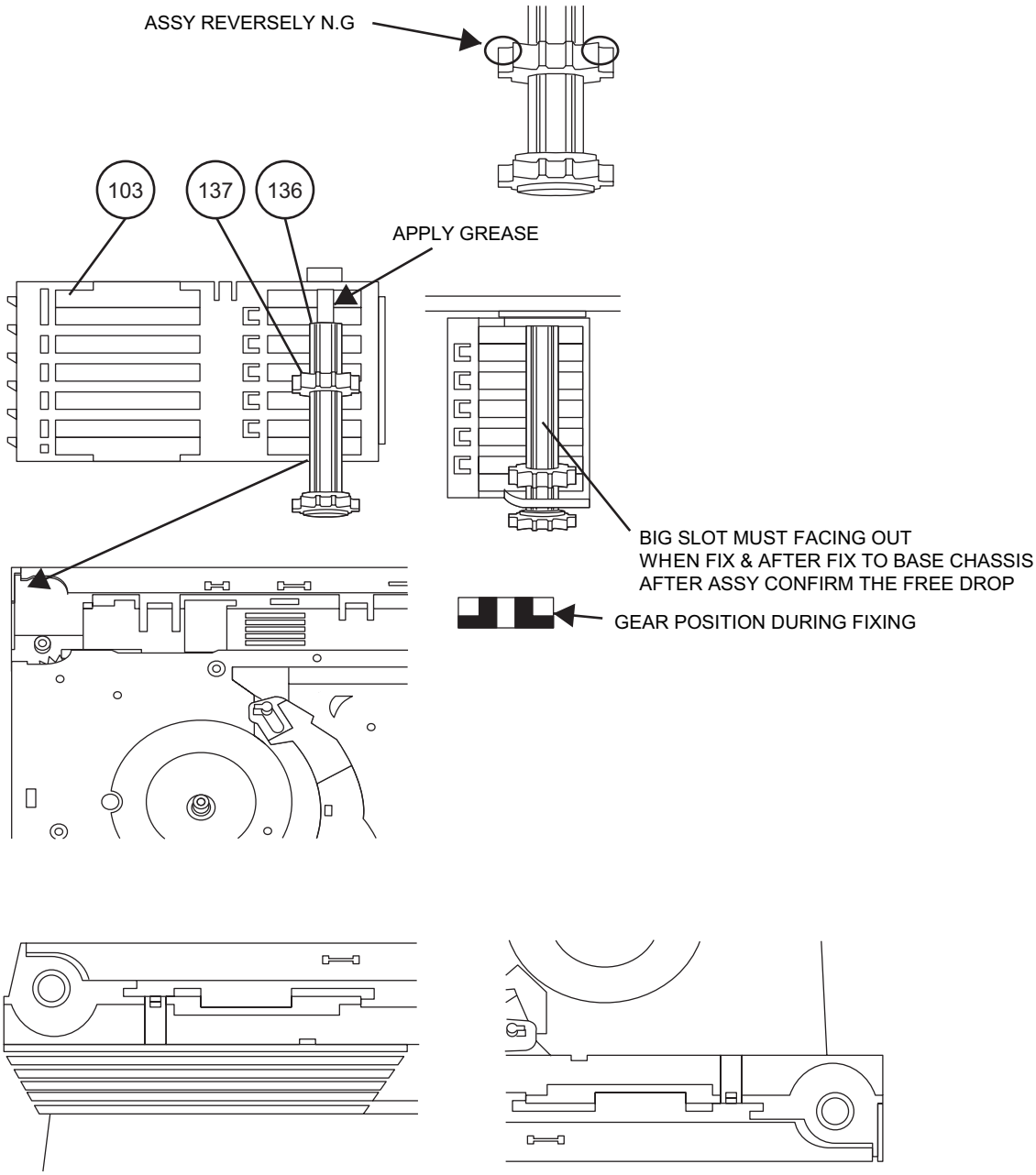
15


APPLY GREASE
115
BEHIND THE LEVER NEED TO APPLY GREASE
PULL IT THEN LEVER WILL MOVE IN

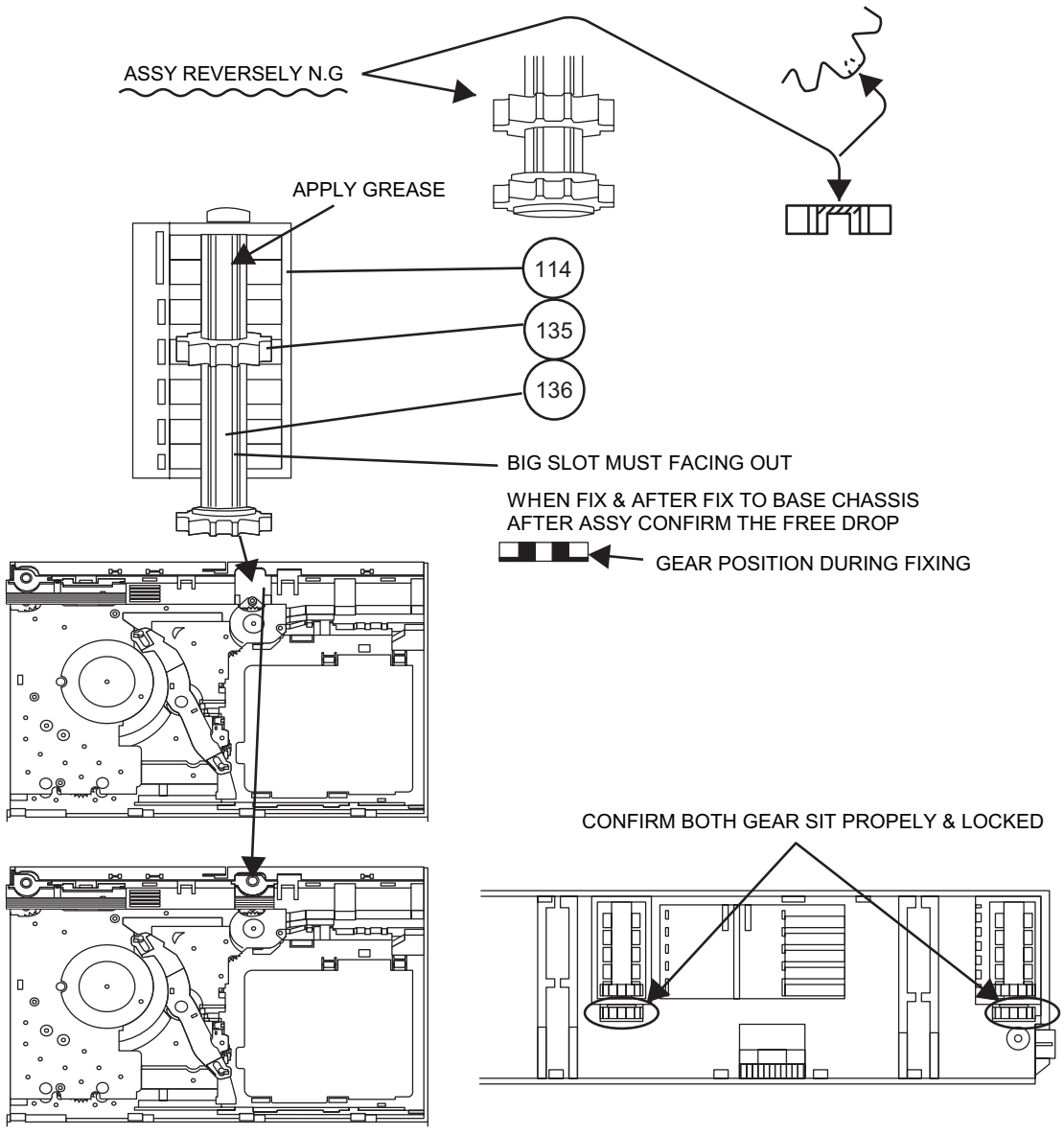
16


123
115
APPLY GREASE
APPLY GREASE BEFORE FIX
APPLY GREASE
AT BOSS
SPRING MUST ARRANGE UNDER THE HOOK
O.K
LR JOINT LEV
BOARD R
BOARD R
LR JOINT LEV
N.G

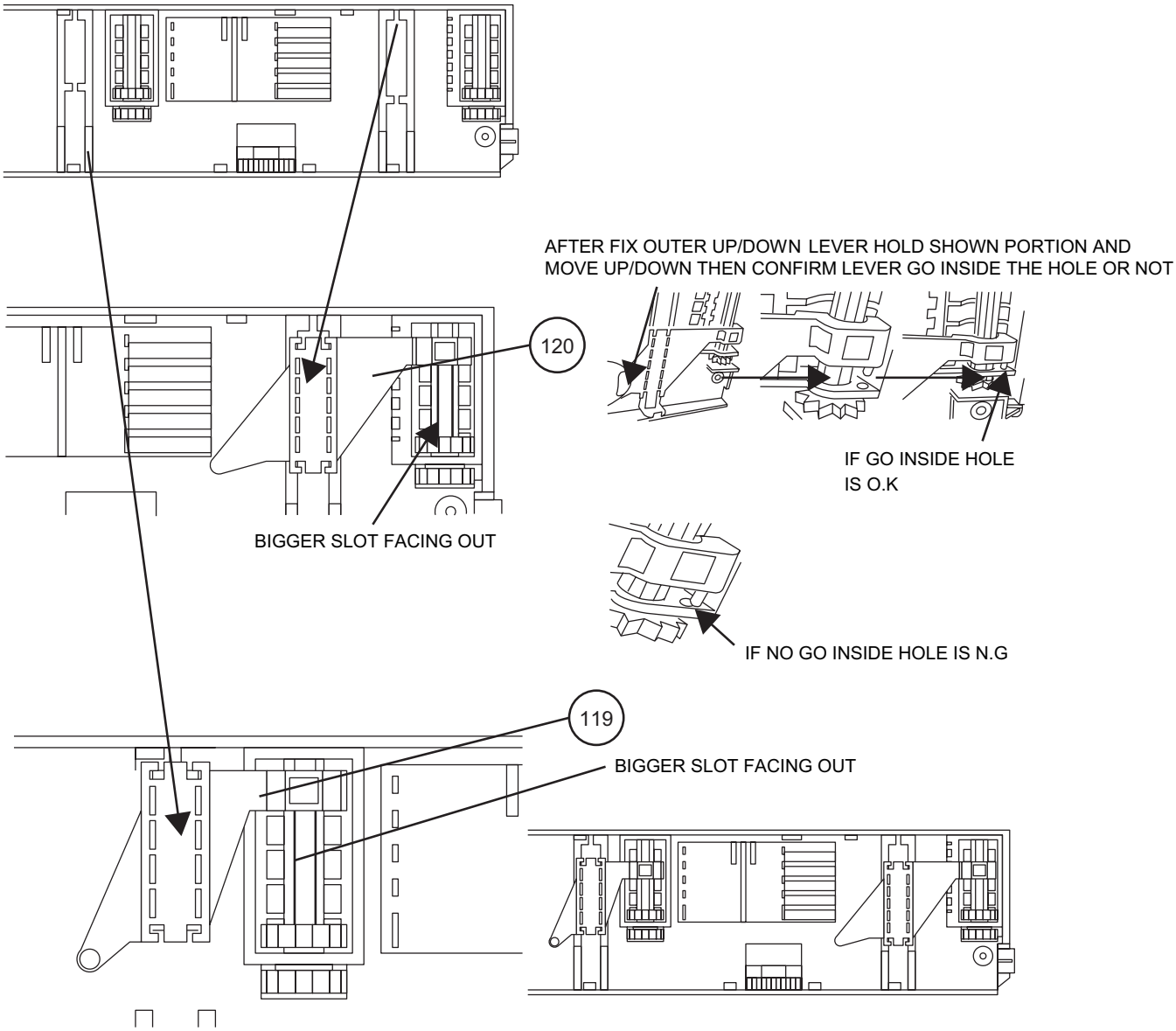
17


ASSY REVERSELY N.G
103
137
136
APPLY GREASE
BIG SLOT MUST FACING OUT
WHEN FIX & AFTER FIX TO BASE CHASSIS
AFTER ASSY CONFIRM THE FREE DROP
GEAR POSITION DURING FIXING

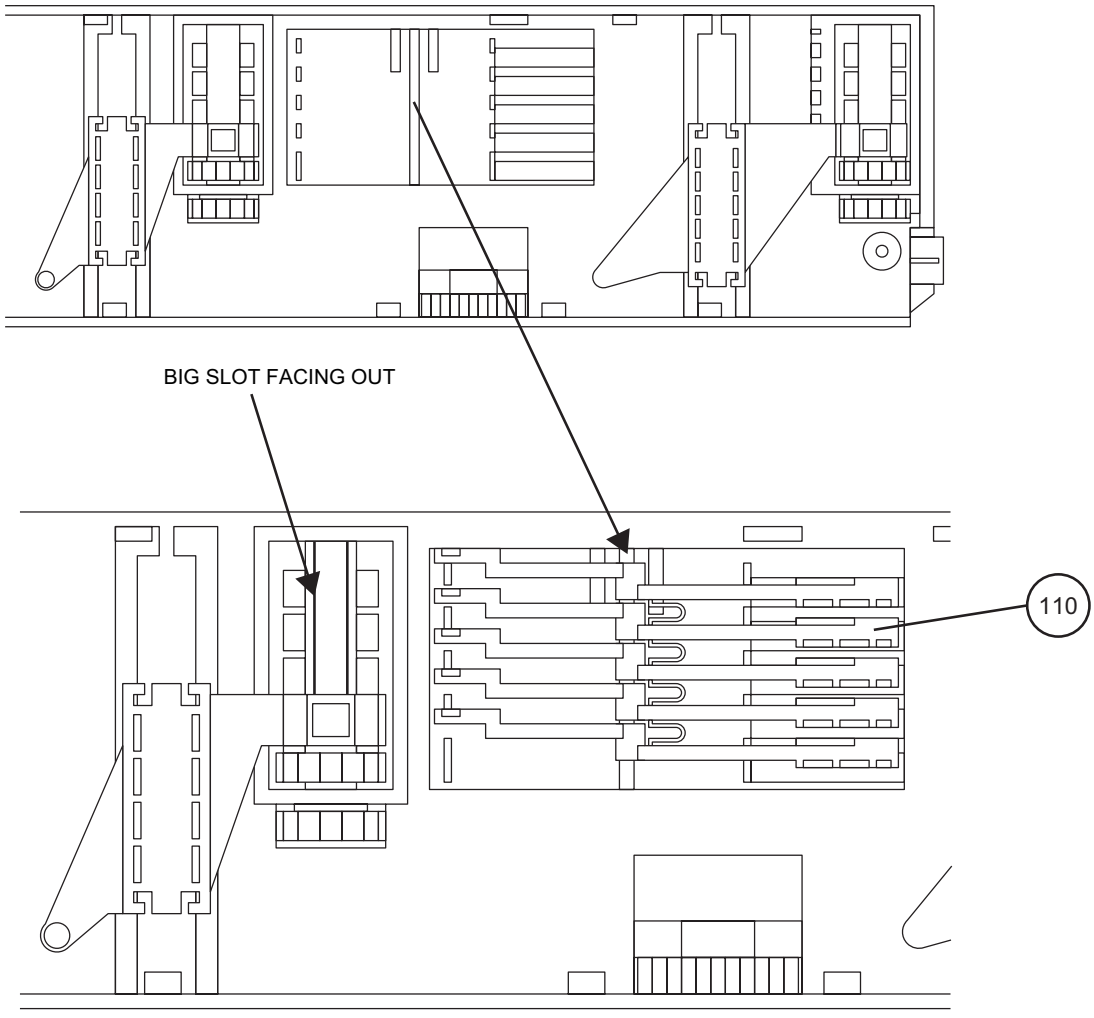
18


ASSY REVERSELY N.G
APPLY GREASE
114
135
136
BIG SLOT MUST FACING OUT
WHEN FIX & AFTER FIX TO BASE CHASSIS
AFTER ASSY CONFIRM THE FREE DROP
GEAR POSITION DURING FIXING
CONFIRM BOTH GEAR SIT PROPELY & LOCKED

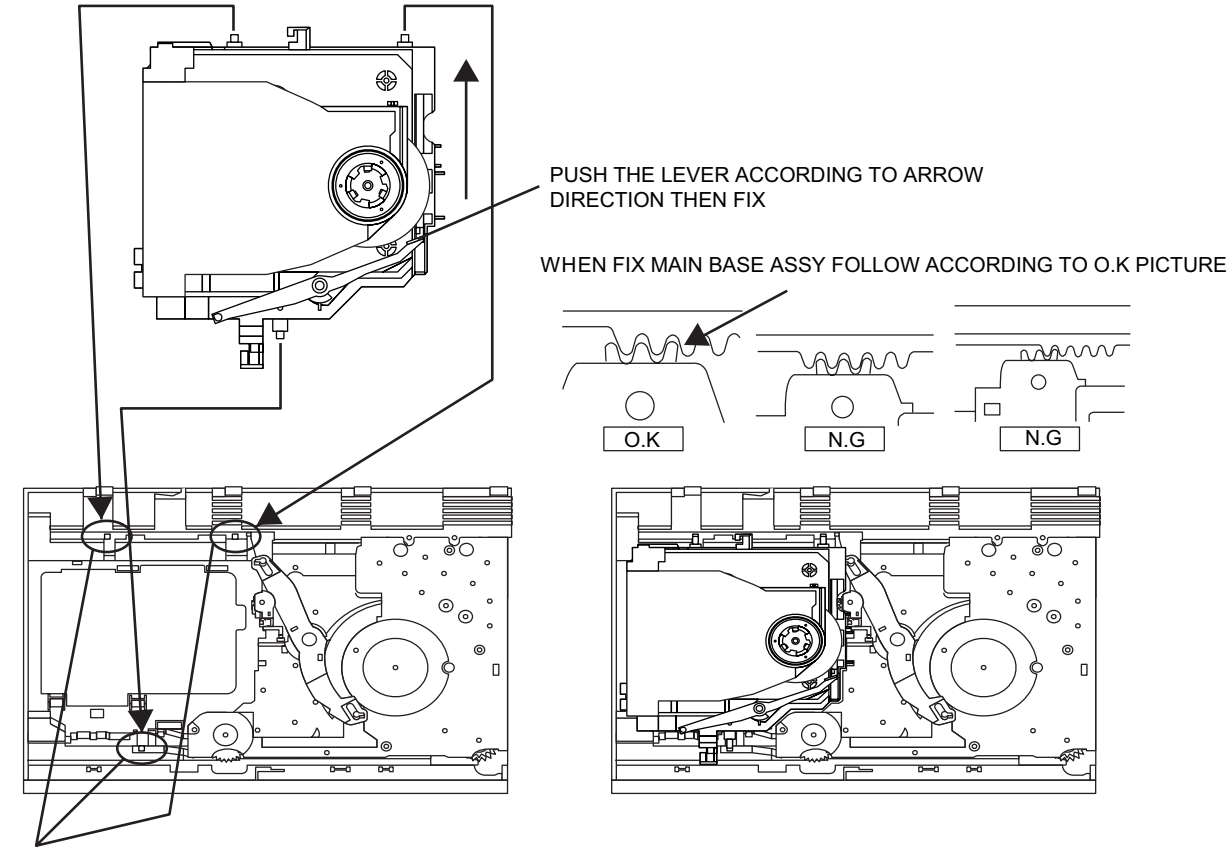
19


AFTER FIX OUTER UP/DOWN LEVER HOLD SHOWN PORTION AND
MOVE UP/DOWN THEN CONFIRM LEVER GO INSIDE THE HOLE OR NOT
120
IF GO INSIDE HOLE
IS O.K
BIGGER SLOT FACING OUT
IF NO GO INSIDE HOLE IS N.G
119
BIGGER SLOT FACING OUT

20

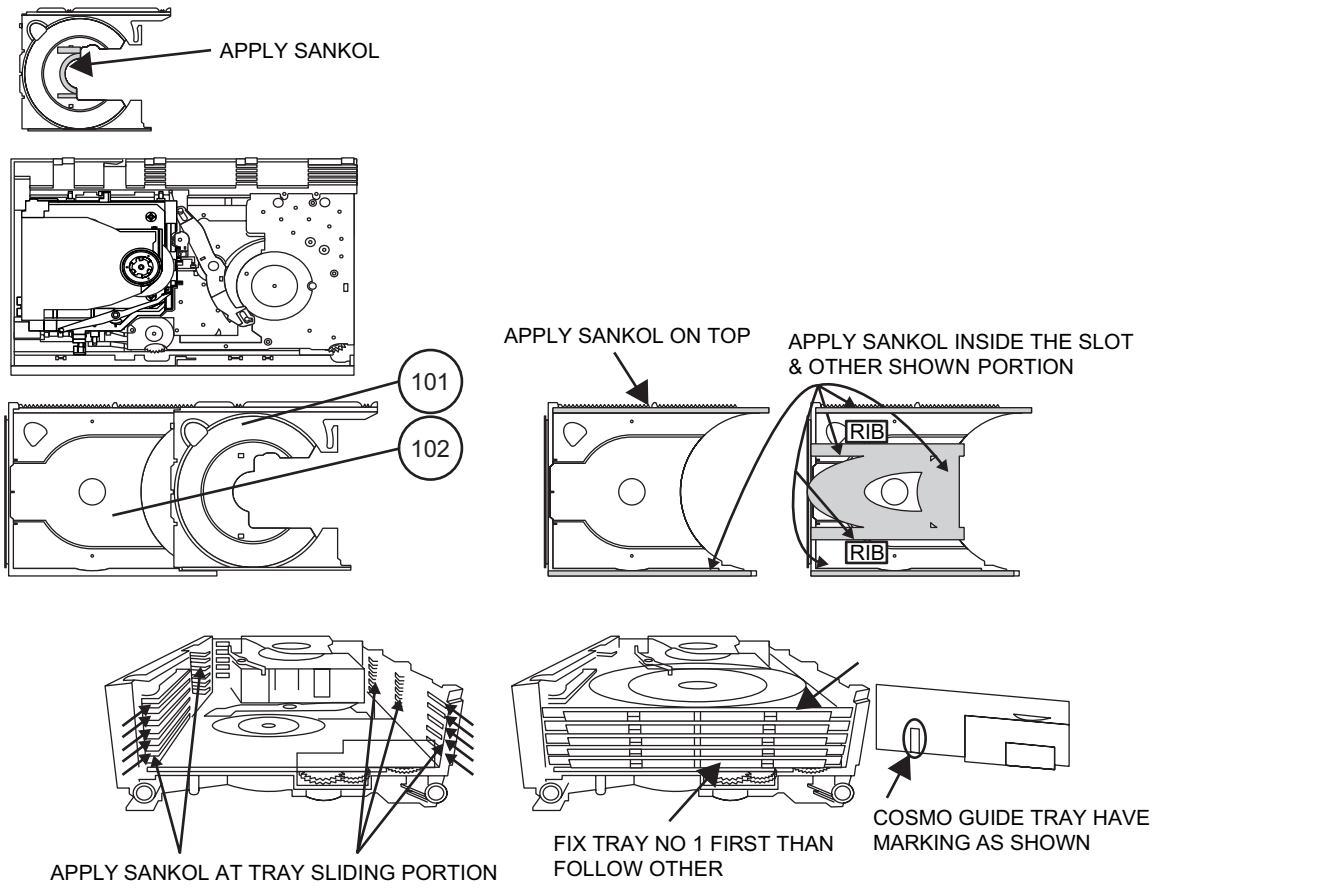


21

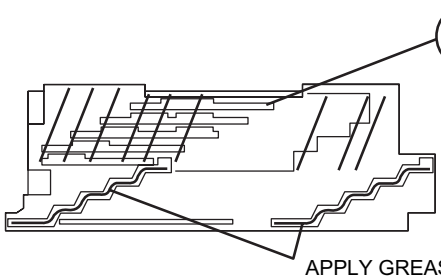


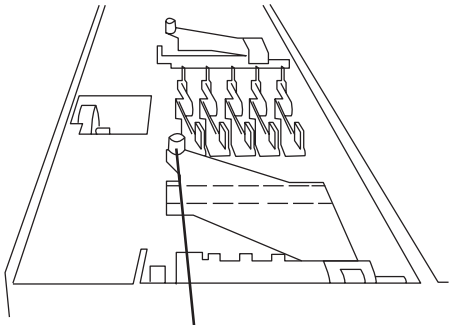
MAKE SURE MECHA HOLDER SHAFT FIX PROPELY TO LEVER

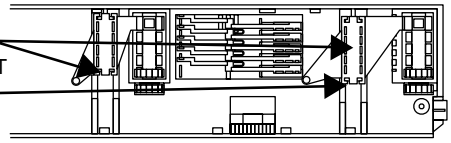
22

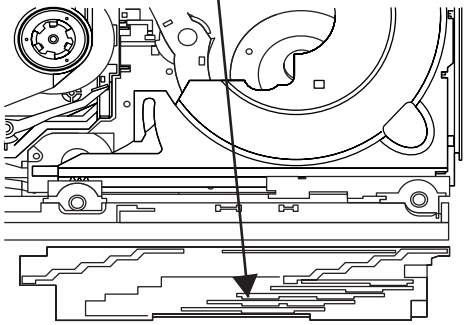

APPLY SANKOL
101
102
APPLY SANKOL ON TOP
APPLY SANKOL INSIDE THE SLOT
& OTHER SHOWN PORTION
RIB
RIB
APPLY SANKOL AT TRAY SLIDING PORTION
FIX TRAY NO 1 FIRST THAN
FOLLOW OTHER
COSMO GUIDE TRAY HAVE
MARKING AS SHOWN

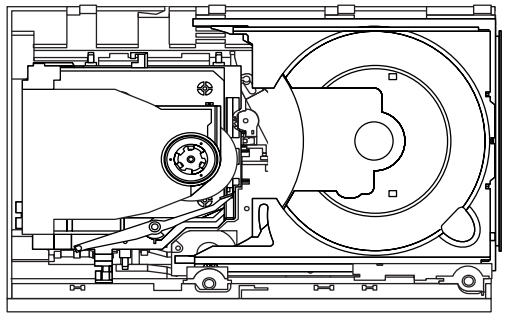
23

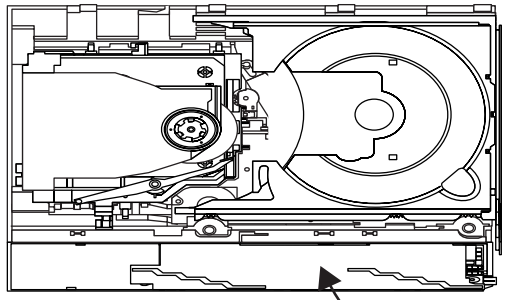

111
GEAR UP/DOWN BOARD
APPLY GREASE AT INNER & OUTER GEAR SLIDING PORTION



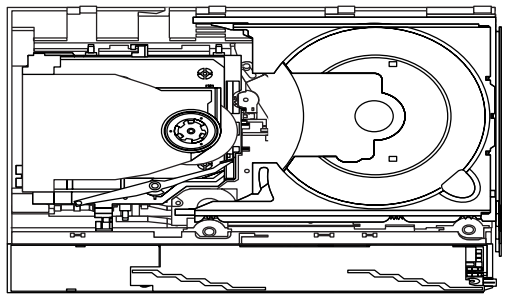

WHEN FIX GEAR UP/
DOWN BOARD THE
TWO LEVER MUST AT
PARALLEL LINE &
POSITION AT TOP
MAX SIDE



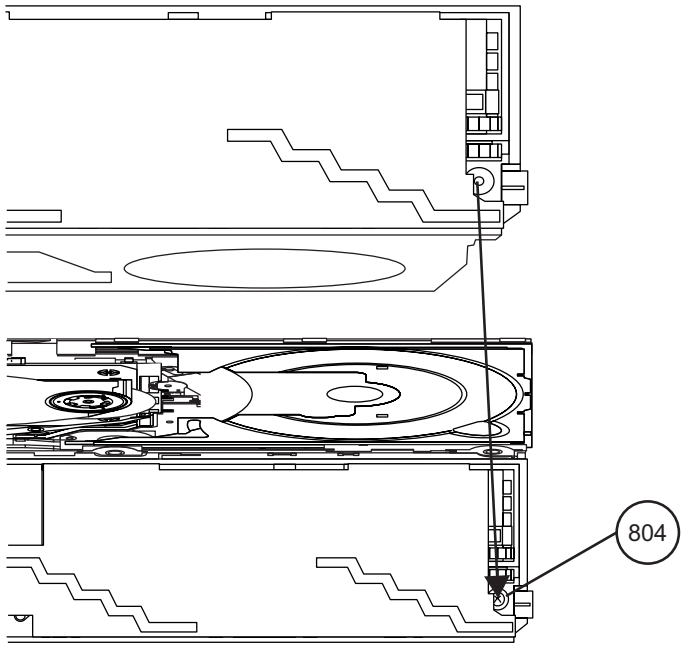



AFTER ASSY GEAR UP/DOWN BOARD

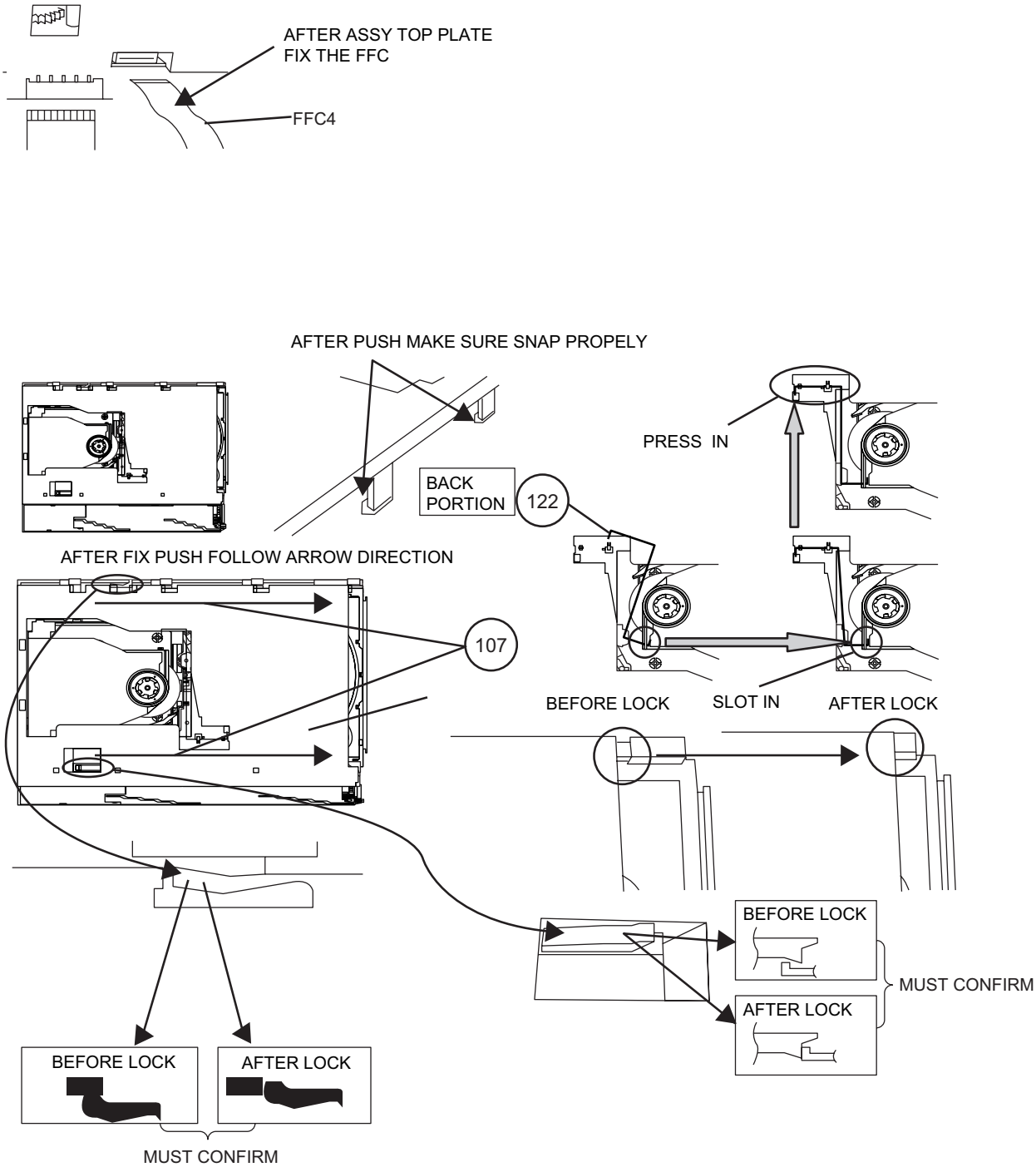
24



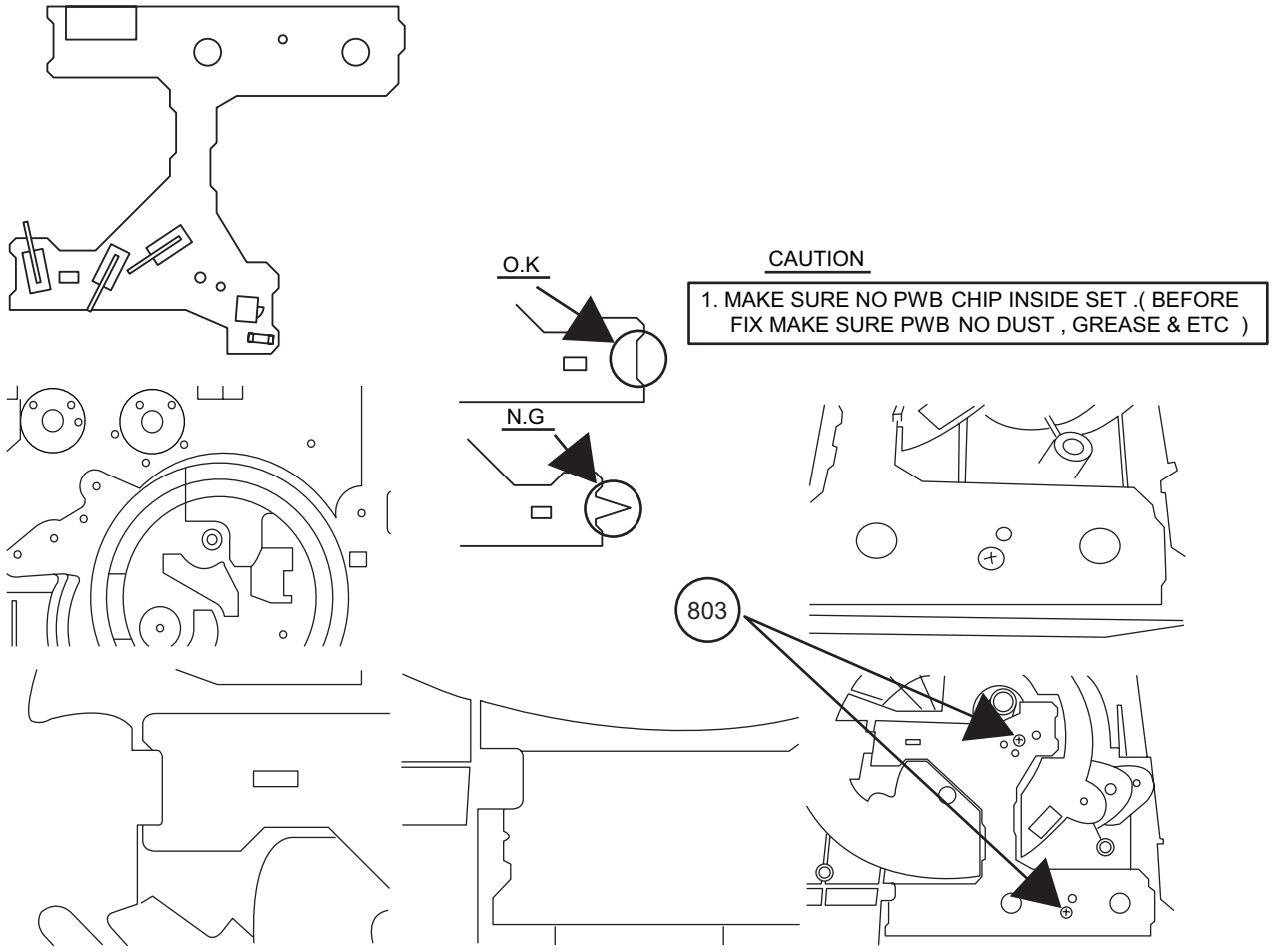
SCREW TORQUE
3 $^{+0.5}_{-0}$ kgf-cm



25


AFTER ASSY TOP PLATE
FIX THE FFC
FFC4
AFTER PUSH MAKE SURE SNAP PROPELY
PRESS IN
BACK
PORTION
122
AFTER FIX PUSH FOLLOW ARROW DIRECTION
107
BEFORE LOCK
SLOT IN
AFTER LOCK
BEFORE LOCK
AFTER LOCK
MUST CONFIRM
BEFORE LOCK
AFTER LOCK
MUST CONFIRM

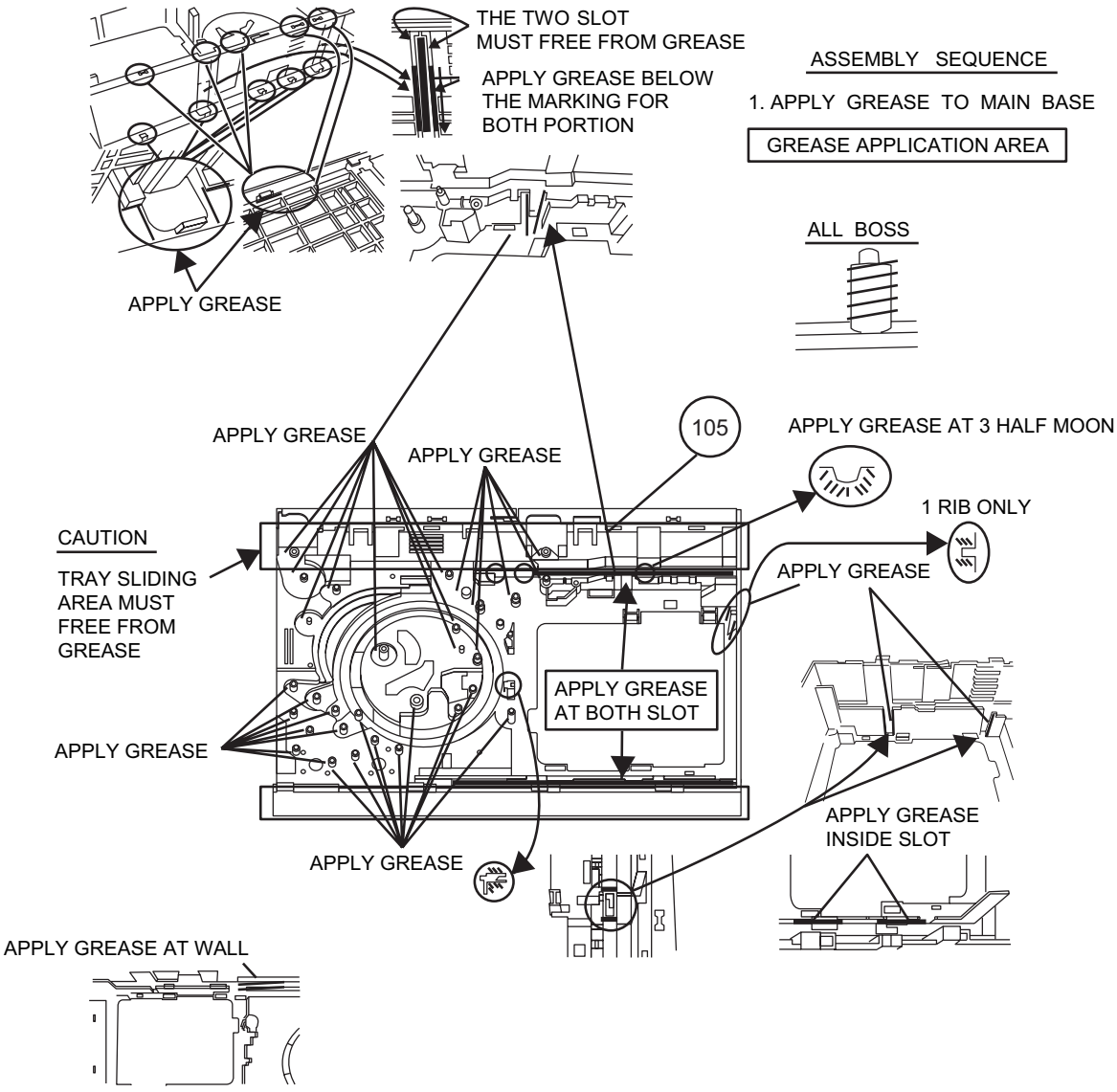
26



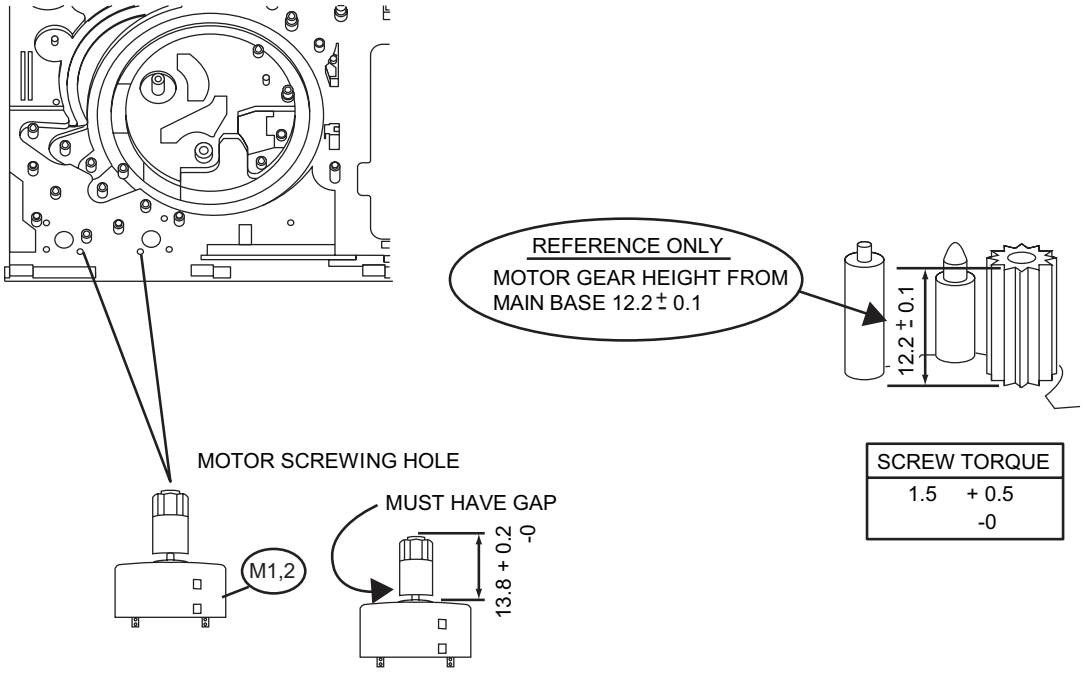
CAUTION

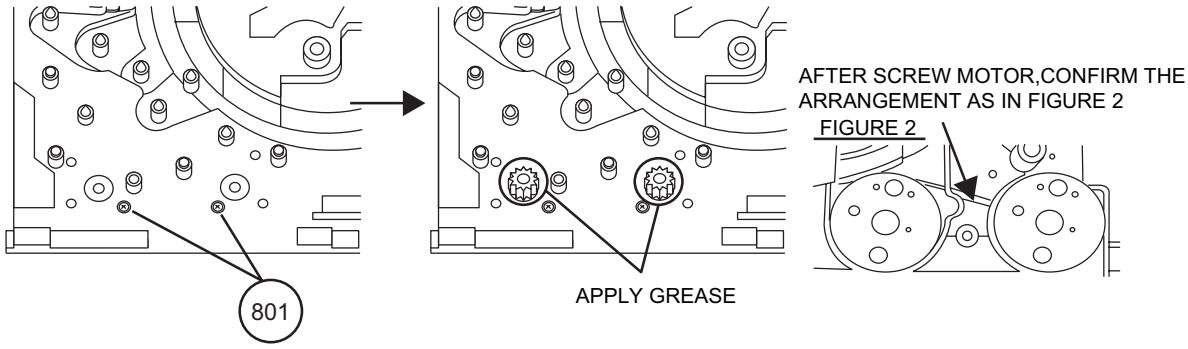
1. MAKE SURE NO PWB CHIP INSIDE SET .(BEFORE FIX MAKE SURE PWB NO DUST , GREASE & ETC)

27

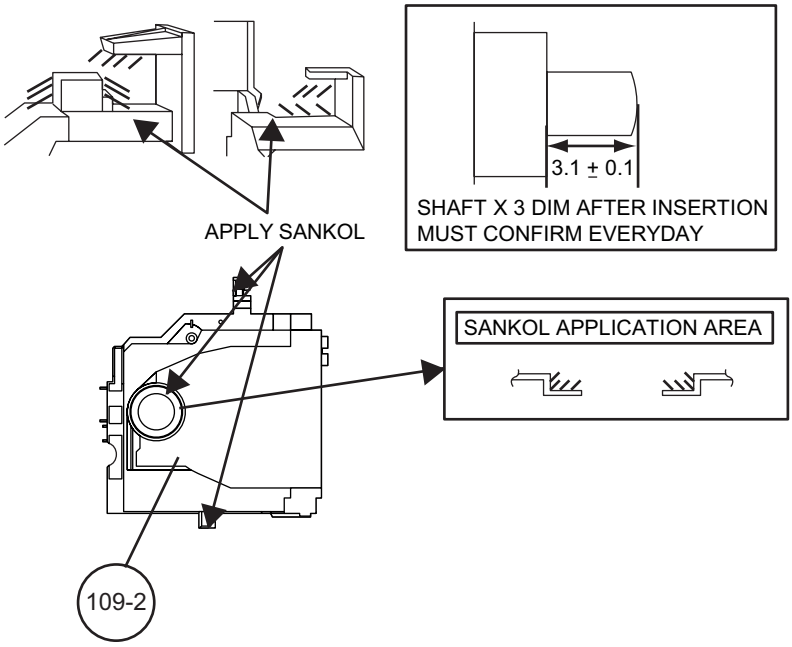

THE TWO SLOT
MUST FREE FROM GREASE
APPLY GREASE BELOW
THE MARKING FOR
BOTH PORTION
ASSEMBLY SEQUENCE
1. APPLY GREASE TO MAIN BASE
GREASE APPLICATION AREA
ALL BOSS
APPLY GREASE
APPLY GREASE
APPLY GREASE
105
APPLY GREASE AT 3 HALF MOON
1 RIB ONLY
CAUTION
TRAY SLIDING
AREA MUST
FREE FROM
GREASE
APPLY GREASE
APPLY GREASE
APPLY GREASE
AT BOTH SLOT
APPLY GREASE
APPLY GREASE
APPLY GREASE
INSIDE SLOT
APPLY GREASE AT WALL

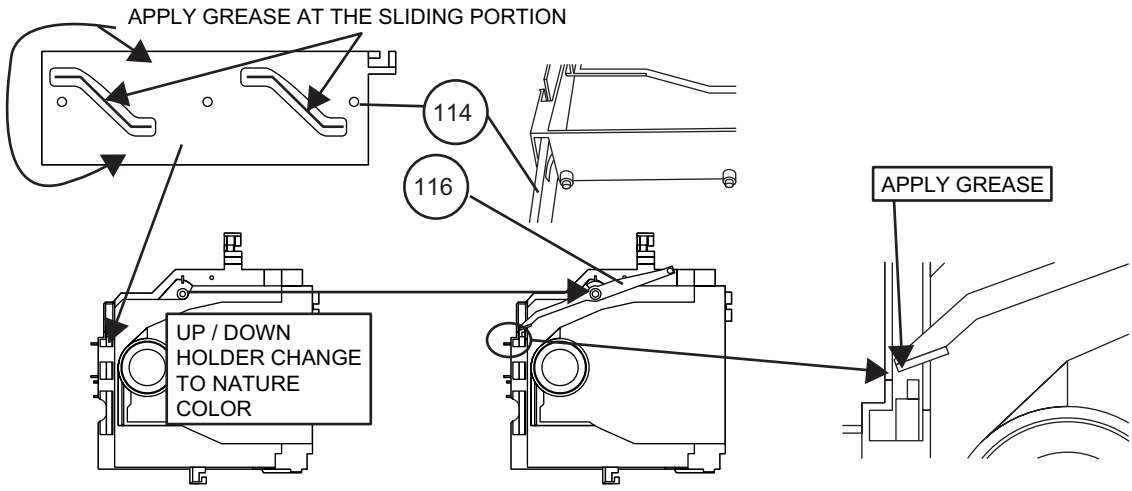
28


REFERENCE ONLY
MOTOR GEAR HEIGHT FROM
MAIN BASE 12.2 ± 0.1
12.2 ± 0.1
MOTOR SCREWING HOLE
M1,2
MUST HAVE GAP
13.8 + 0.2 -0
SCREW TORQUE
1.5 + 0.5 -0

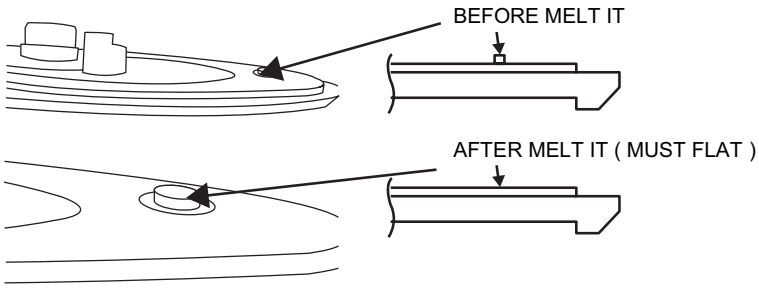

801
APPLY GREASE
AFTER SCREW MOTOR,CONFIRM THE ARRANGEMENT AS IN FIGURE 2
FIGURE 2

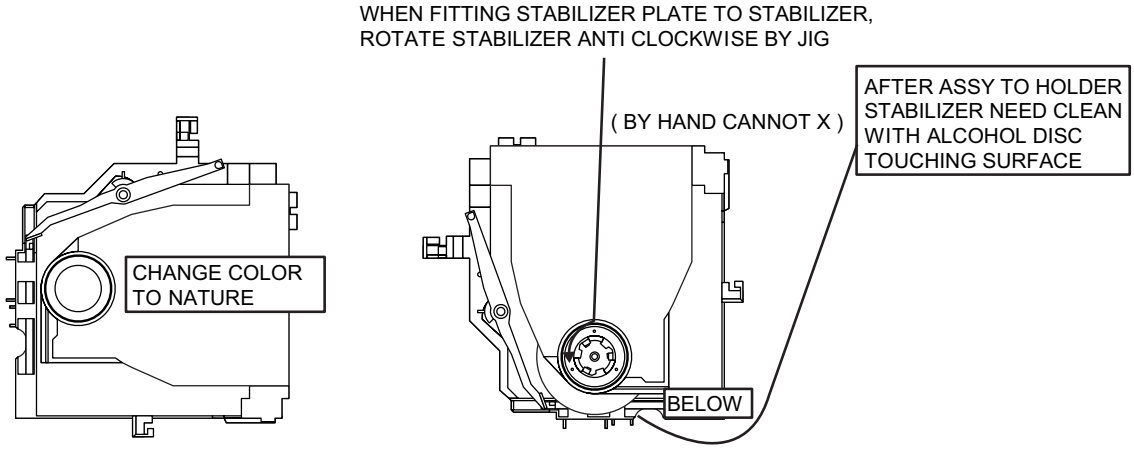
29


3.1 ± 0.1
SHAFT X 3 DIM AFTER INSERTION
MUST CONFIRM EVERYDAY
APPLY SANKOL
SANKOL APPLICATION AREA
109-2

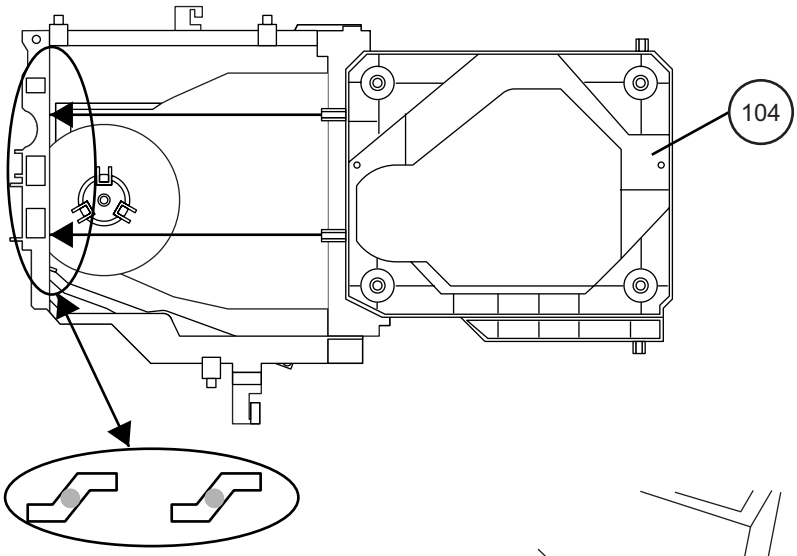

APPLY GREASE AT THE SLIDING PORTION
114
116
APPLY GREASE
UP / DOWN
HOLDER CHANGE
TO NATURE
COLOR

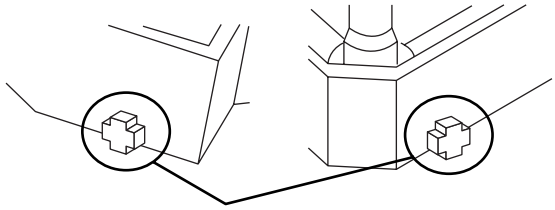
30

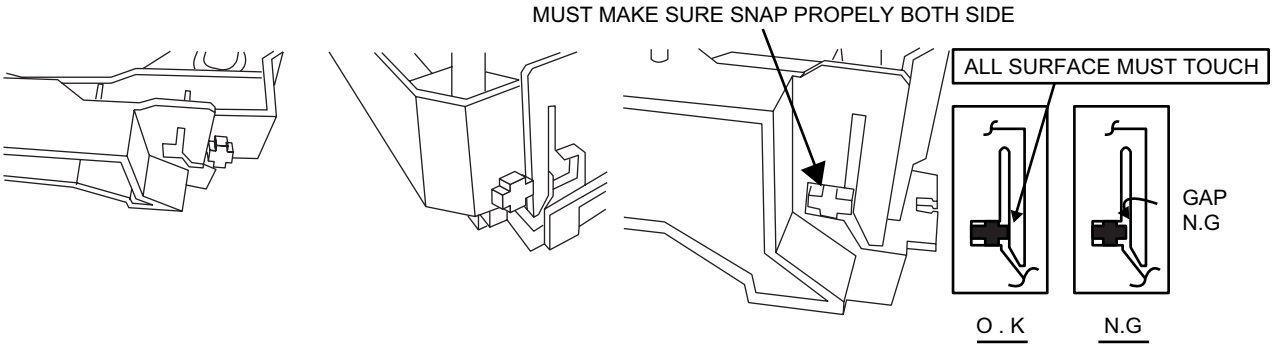

BEFORE MELT IT
AFTER MELT IT (MUST FLAT)


WHEN FITTING STABILIZER PLATE TO STABILIZER,
ROTATE STABILIZER ANTI CLOCKWISE BY JIG
(BY HAND CANNOT X)
AFTER ASSY TO HOLDER
STABILIZER NEED CLEAN
WITH ALCOHOL DISC
TOUCHING SURFACE
CHANGE COLOR
TO NATURE
BELOW

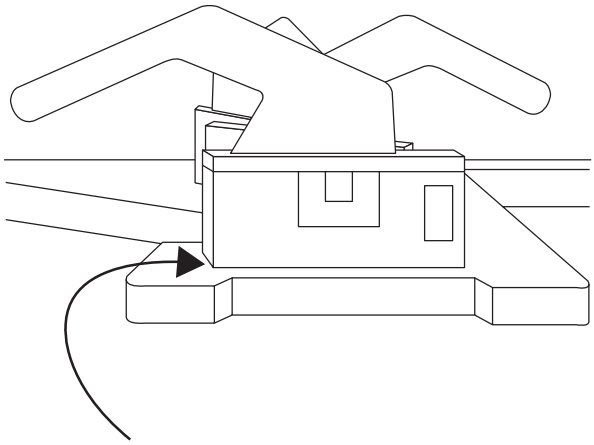
31


104


APPLY GREASE

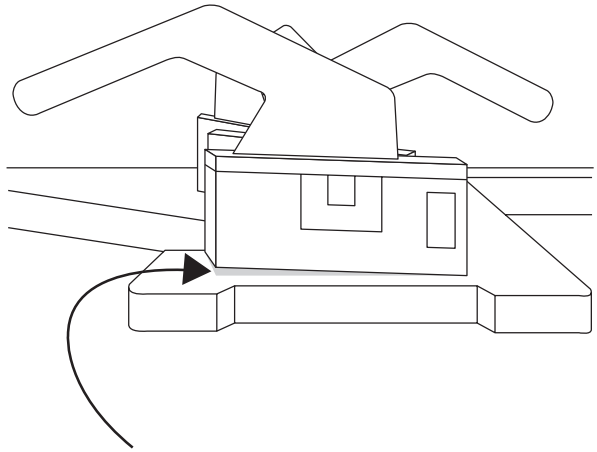

MUST MAKE SURE SNAP PROPELY BOTH SIDE
ALL SURFACE MUST TOUCH
GAP
N.G
O . K
N.G

32



NO GAP

O.K



HAVE GAP

N.G

CHAPTER 3. MECHANISM BLOCKS

[1] Caution on diassembly

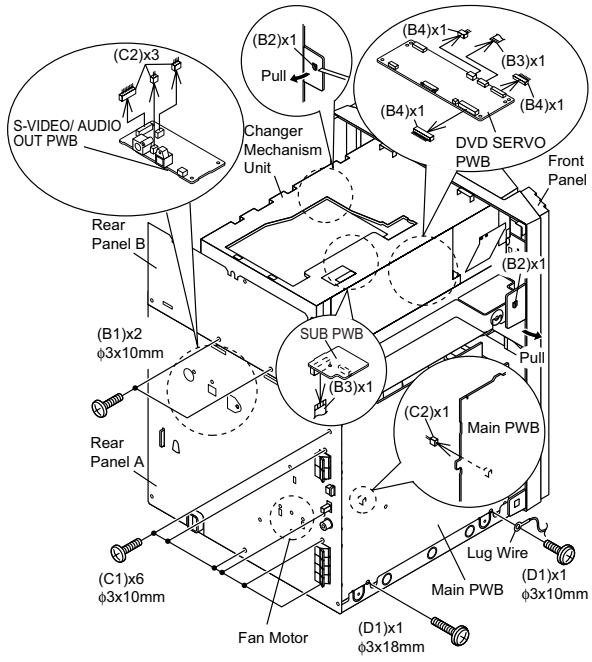
Caution on Disassembly

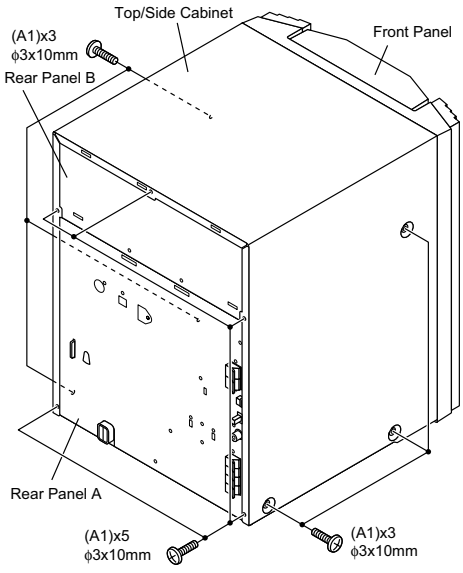
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

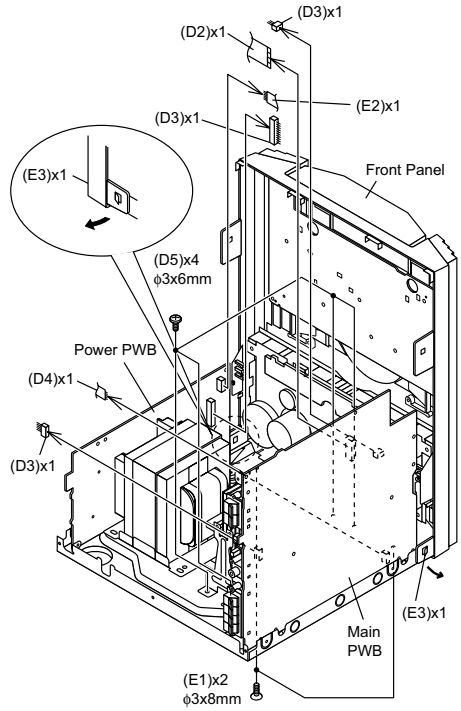
1. Take cassette tape, and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

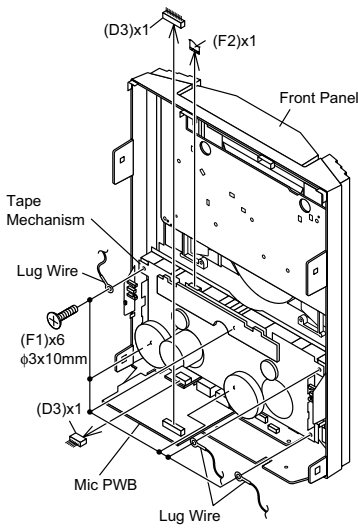
CD-DV999W/CD-DV777W

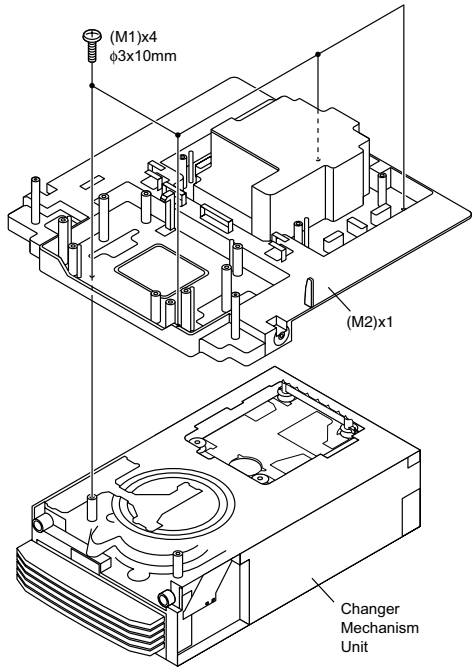
STEP	REMOVAL	PROCEDURE
1	Top/Side Cabinet	1. Screw ..... (A1) x11
2	Changer Unit/ Rear Panel B	1. Screw ..... (B1) x2 2. Hook ..... (B2) x2 3. Flat Cable ..... (B3) x2 4. Socket ..... (B4) x3
3	Rear Panel A/ S-Video/Audio Out PWB with Fan motor	1. Screw ..... (C1) x6 2. Socket ..... (C2) x4
4	Main PWB	1. Screw ..... (D1) x2 2. Flat Cable ..... (D2) x1 3. Socket ..... (D3) x5 4. Flat Wire ..... (D4) x1 5. Screw ..... (D5) x4
5	Front Panel	1. Screw ..... (E1) x2 2. Flat Wire ..... (E2) x1 3. Hook ..... (E3) x2
6	Tape Mechanism	1. Screw ..... (F1) x6 2. Flat Cable ..... (F2) x1
7	Mic PWB	1. Knob ..... (G1) x1 2. Screw ..... (G2) x1
8	Display PWB	1. Knob ..... (H1) x1 2. Screw ..... (H2) x10 3. Hook ..... (H3) x5
9	Game Input PWB	1. Screw..... (J1) x2
10	Sub PWB	1. Screw ..... (K1) x1 2. Flat Cable ..... (K2) x1 3. Hook ..... (K3) x1
11	DVD Servo PWB	1. Screw ..... (L1) x3 2. Flat Cable ..... (L2) x1 3. Socket ..... (L3) x2
12	Changer Mechanism Unit	1. Screw ..... (M1) x4 2. Changer Chassis .... (M2) x1
13	DVD Mechanism	1. Screw ..... (N1) x4 2. Bracket ..... (N2) x1

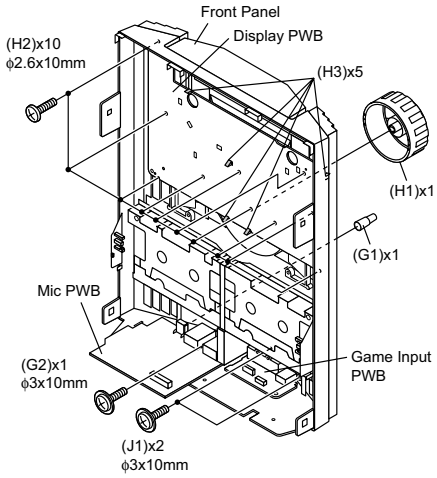


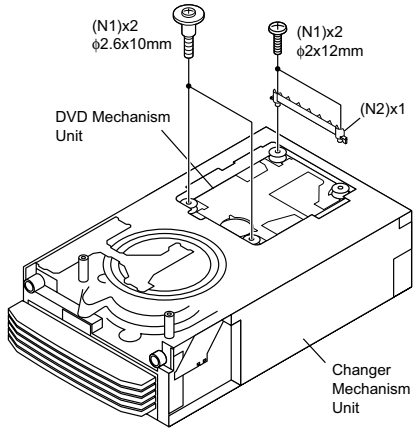


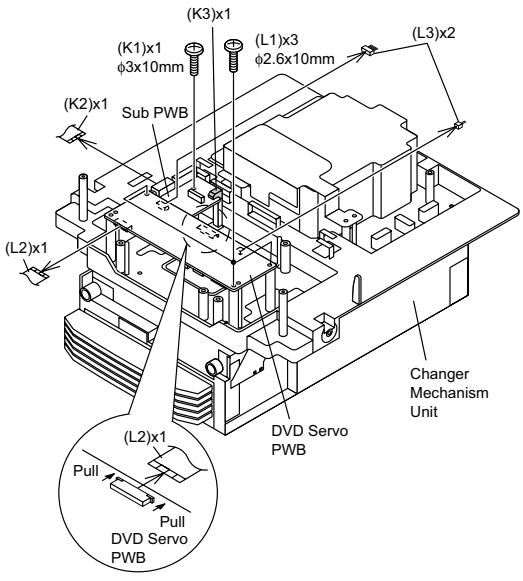



(D3)x1
(F2)x1
Front Panel
Tape Mechanism
Lug Wire
(F1)x6
ϕ3x10mm
(D3)x1
Mic PWB
Lug Wire


(M1)x4
ϕ3x10mm
(M2)x1
Changer Mechanism Unit

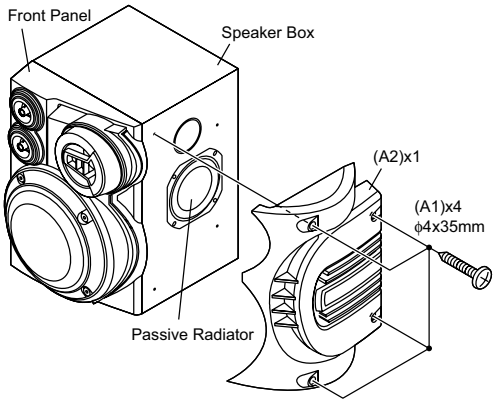

Front Panel
Display PWB
(H2)x10
ϕ2.6x10mm
(H3)x5
(H1)x1
(G1)x1
Mic PWB
(G2)x1
ϕ3x10mm
Game Input PWB
(J1)x2
ϕ3x10mm

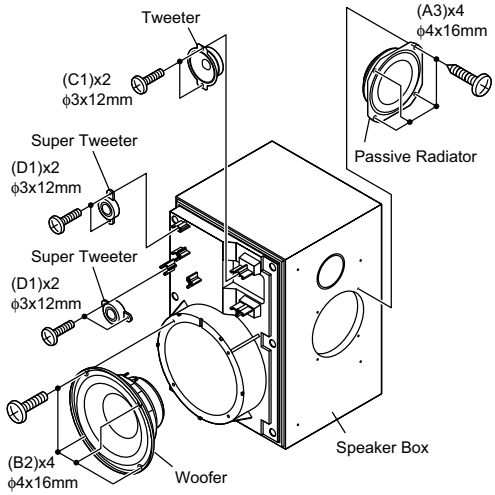

(N1)x2
ϕ2.6x10mm
(N1)x2
ϕ2x12mm
(N2)x1
DVD Mechanism Unit
Changer Mechanism Unit

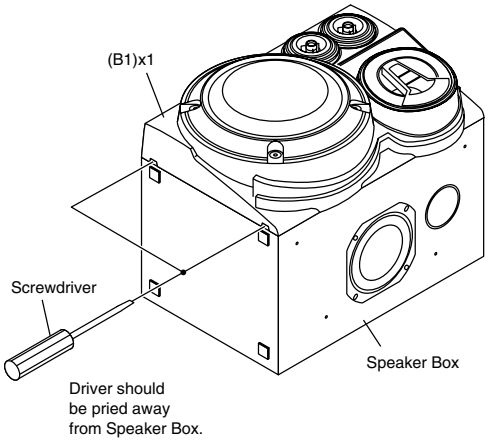

(K3)x1
(K1)x1
ϕ3x10mm
(L1)x3
ϕ2.6x10mm
(L3)x2
(K2)x1
Sub PWB
(L2)x1
Changer Mechanism Unit
DVD Servo PWB
(L2)x1
Pull
Pull
DVD Servo PWB

CP-DV999/CP-DV777

STEP	REMOVAL	PROCEDURE
1	Passive Radiator	1. Screw ..... (A1) x4 2. Side Panel ..... (A2) x1 3. Screw ..... (A3) x4
2	Woofer	1. Front Panel ..... (B1) x1 2. Screw ..... (B2) x4
3	Tweeter	1. Screw ..... (C1) x2
4	Super Tweeter	1. Screw ..... (D1) x4







[2] Removing and reinstalling the main parts

1. TAPE MECHANISM SECTION

Perform steps 1 to 5 and 6 of the disassembly method to remove the tape mechanism.

1.1. How to remove the record/playback and erase heads (TAPE 2) (See Fig. 1)

1. When you remove the screws (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

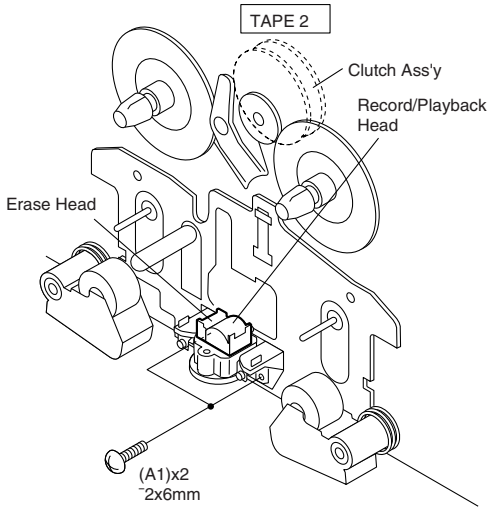


Figure 1

1.2. How to remove the playback head (TAPE 1)(See Fig. 2)

1. When you remove the screws (B1) x 2 pcs., the playback head can be removed.

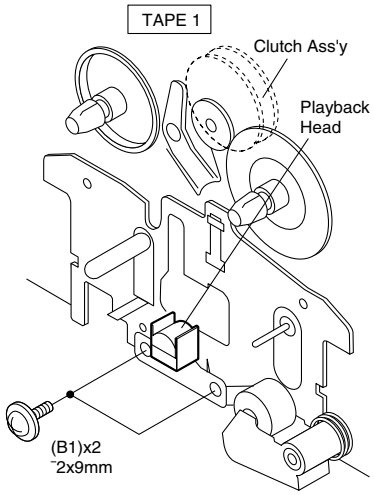


Figure 2

1.3. How to remove the pinch roller (TAPE 1/2) (See Fig. 3)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow <B>.

Note:
When installing the pinch roller, pay attention to the spring mounting position.

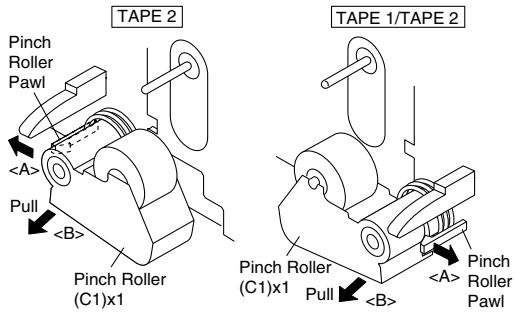


Figure 3

1.4. How to remove the belt (TAPE 2) (See Fig. 4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

1.5. How to remove the belt (TAPE 1) (See Fig. 4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

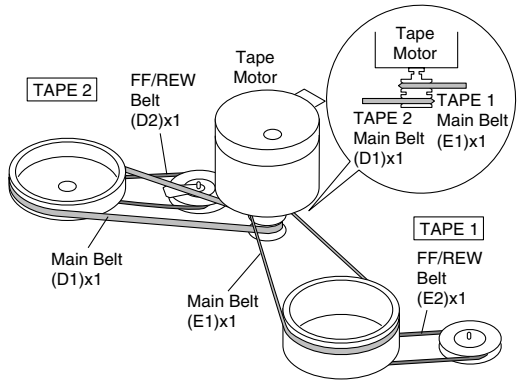


Figure 4

1.6. How to remove the motor (See Fig. 5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

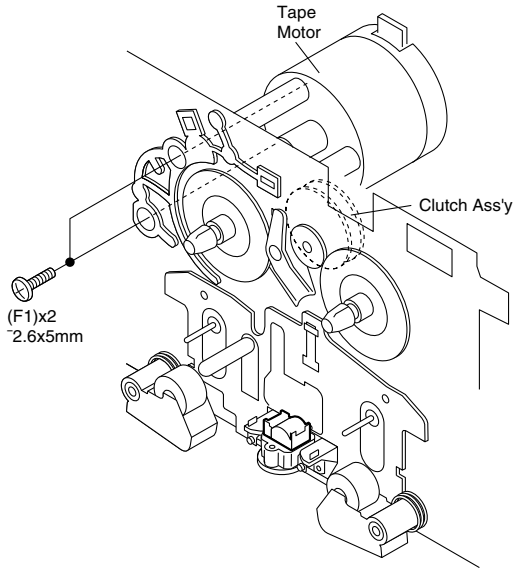


Figure 5

2. CD MECHANISM SECTION

Perform steps 1, 2, 11, 12 and 13 of the disassembly method to remove the CD mechanism.

2.1. Remove the pickup. (See Fig. 1)

1. Remove the stop washer (A1) x 1 pc., to remove the gear (A2) x 1 pc.
2. Remove the screws (A3) x 2 pcs., to remove the shaft (A4) x 1 pc.
3. Remove the pickup.

Note
After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

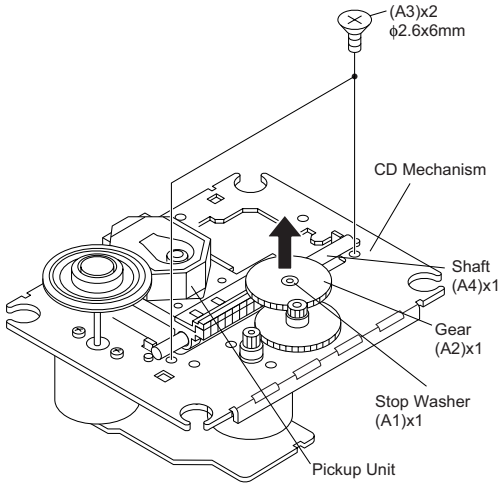


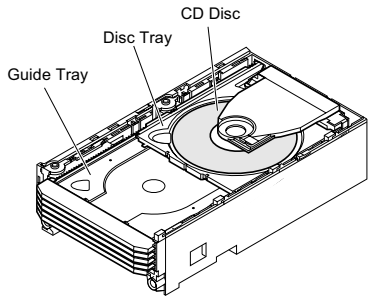
Figure 1

3. CHANGER MECHANISM SECTION

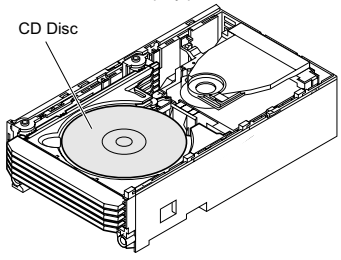
Perform steps 1, 2, 11, 12 and 13 of the disassembly method to remove the CD changer mechanism.

3.1. How to remove CD Disc (See Fig. 2~5)

1. When CD is at play position (Figure 2), rotate reduction gear C clock-wise as shown in Figure 3 Until disc tray is at stock position, then rotate further to eject the disc tray so that CD can be removed from the tray.



CD At play position.



CD At stalk position.

Figure 2

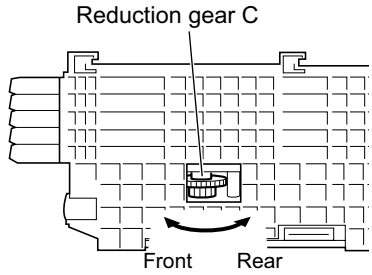


Figure 3

2. In another case, if CD mechanism is at tray No.1 play position and to remove CD located in tray No.3, the procedure is as follows:

   If the gear up down board is located at tray No.1 position, then rotate gear clock-wise until it at stock position. Rotate reduction gear D clockwise (Figure 4) to move the CD mechanism to tray No.3 position.This is confirmed by checking the gear up down board position by the marking as indicated on the main chassis as shown in Figure 5.

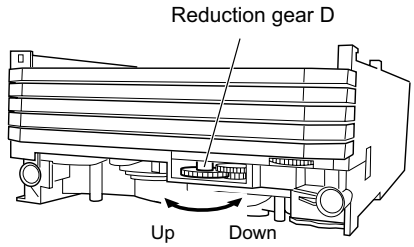


Figure 4

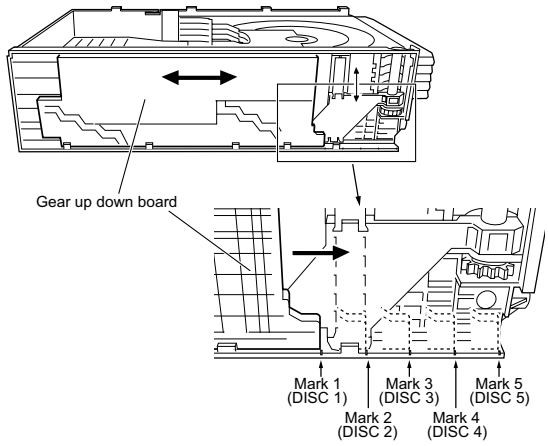


Figure 5

3.2. How to Remove the tray motor/main cam motor/5-Changer Motor PWB (See Fig. 6)

1. Remove the screws (A1)x 2 pcs., to remove tray motor/main cam motor/5-Changer Motor PWB.

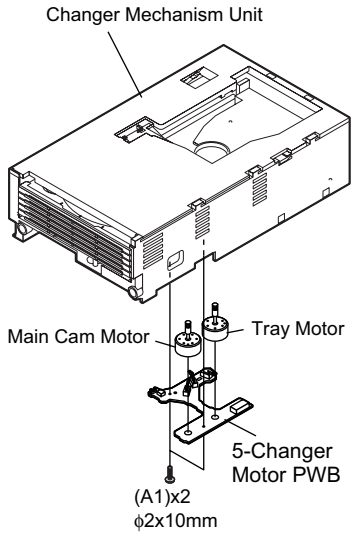


Figure 6

NOTE: There are 2 more screws tighten the motors at the bottom of main chassis. Before performing procedure 1 above, disc stop spring, top plate sear up down board and trays must be removed, then only the 2 screws can be untighten.

CHAPTER 4. DIAGRAMS

[1] Block diagrams

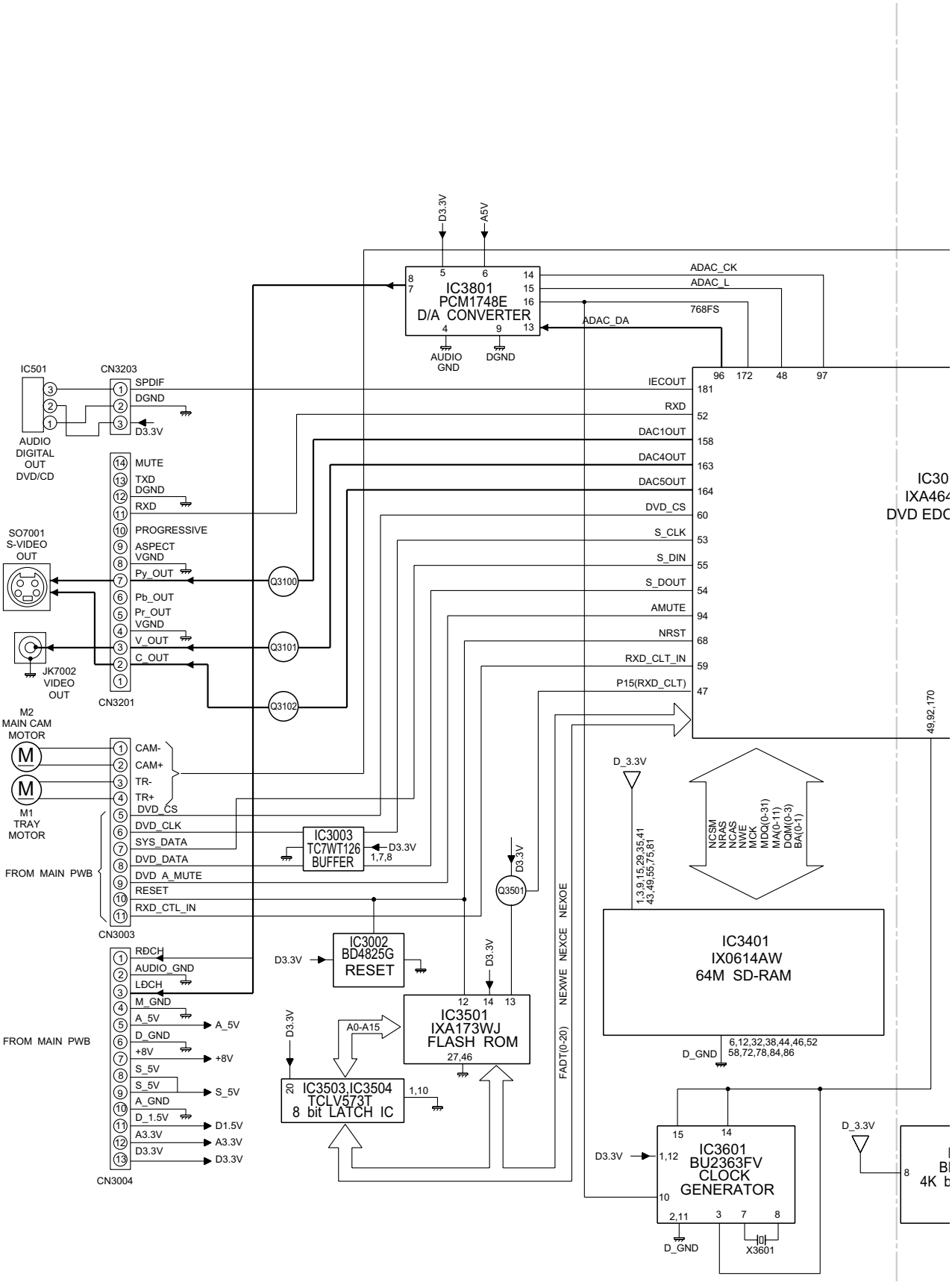


Figure 4-1 BLOCK DIAGRAM (1/4)

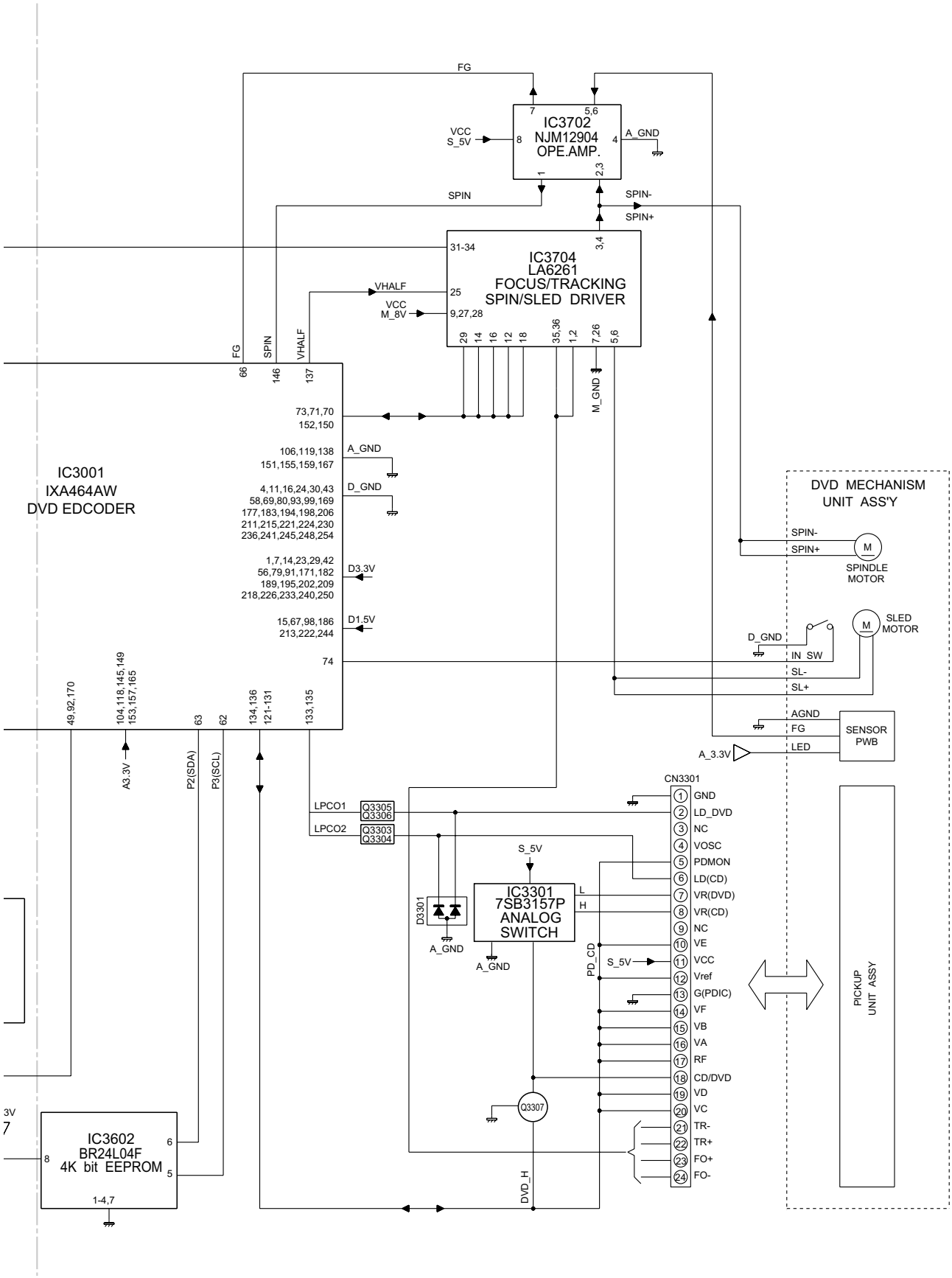


Figure 4-2 BLOCK DIAGRAM (2/4)

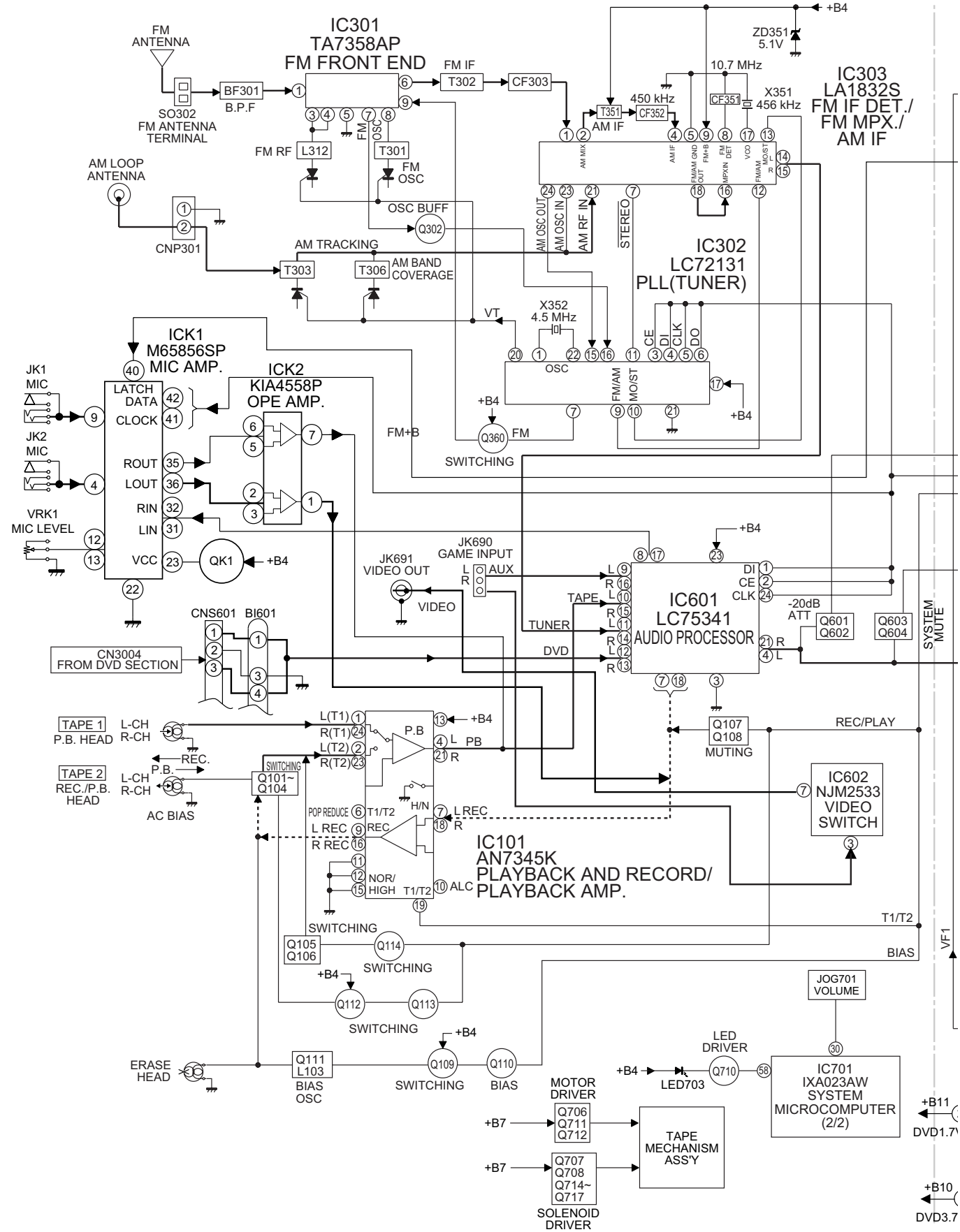


Figure 4-3 BLOCK DIAGRAM (3/4)

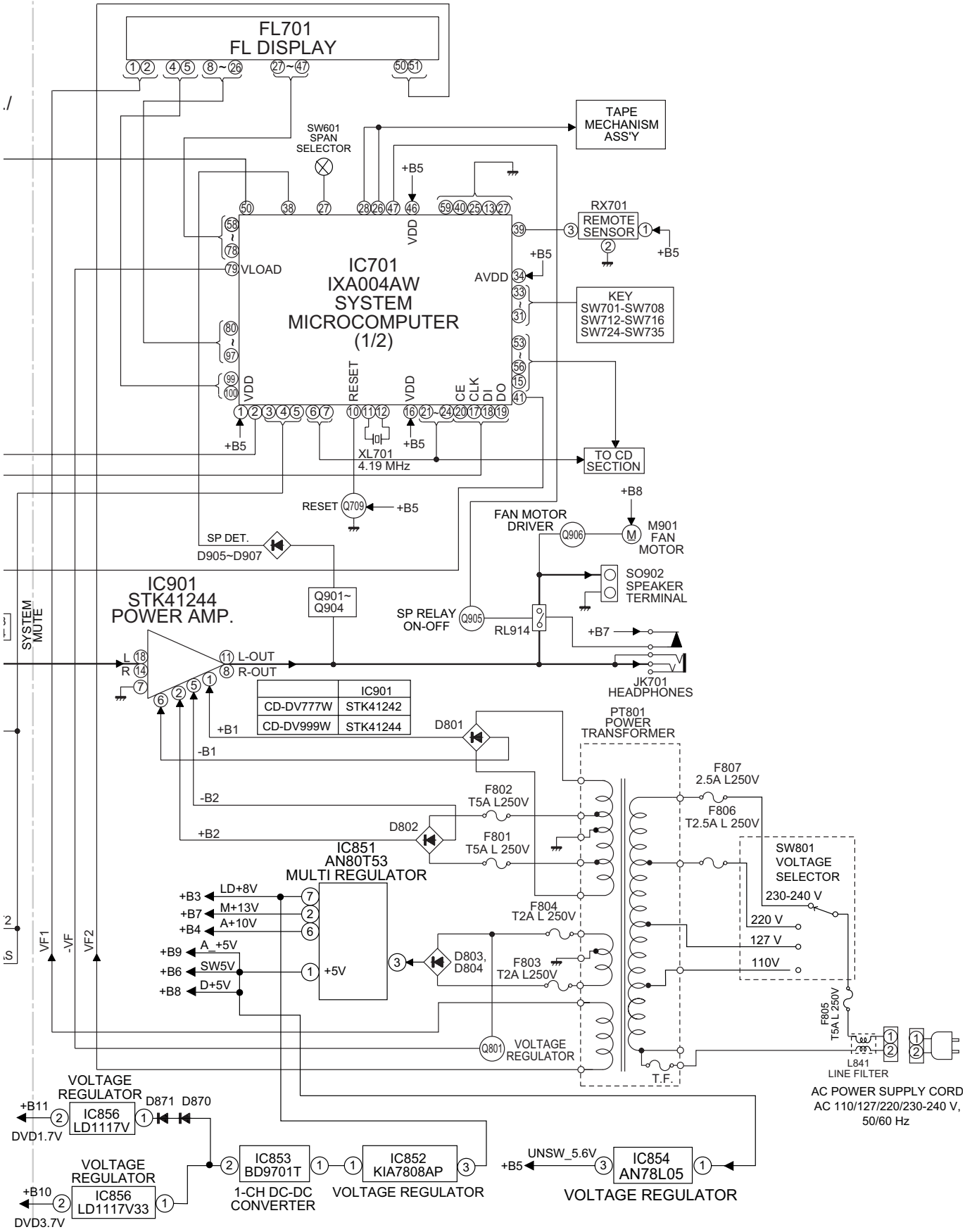


Figure 4-4 BLOCK DIAGRAM (4/4)

CHAPTER 5. CIRCUIT DESCRIPTION

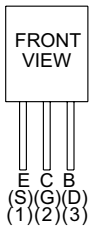
[1] Notes on schematic diagram

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ “ (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO	DESCRIPTION	POSITION
JOG701	VOLUME	ON—OFF
NSW1	PICKUP IN	ON—OFF
SW1	CLAMP	ON—OFF
SW2	TRAY SW1	ON—OFF
SW3	TRAY SW2	ON—OFF
SW4	DISC	ON—OFF
SW601	SPAN SELECTOR	100 kHz/ 10 kHz
SW701	POWER ON/STAND-BY	ON—OFF
SW702	CLOCK/TIMER	ON—OFF
SW703	TUNING UP	ON—OFF
SW704	TUNING DOWN	ON—OFF
SW705	FAST REWIND/PRESET DOWN	ON—OFF
SW706	EQUALIZER	ON—OFF
SW707	FAST FORWARD/PRESET UP	ON—OFF
SW708	REVERSE MODE	ON—OFF
SW712	TUNER (BAND)	ON—OFF

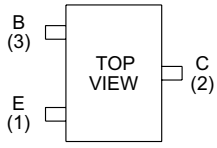
REF. NO	DESCRIPTION	POSITION
SW713	CD	ON—OFF
SW714	TAPE	ON—OFF
SW715	GAME/VIDEO	ON—OFF
SW716	X-BASS/DEMO	ON—OFF
SW724	REVERSE PLAY	ON—OFF
SW725	PLAY/REPEAT	ON—OFF
SW726	STOP	ON—OFF
SW727	REC/PAUSE	ON—OFF
SW728	MEMORY/SET	ON—OFF
SW729	OPEN/CLOSE	ON—OFF
SW730	DIRECT PLAY	ON—OFF
SW731	DISC2	ON—OFF
SW732	DISC4	ON—OFF
SW733	DISC5	ON—OFF
SW734	DISC3	ON—OFF
SW735	DISC1	ON—OFF
SW801	VOLTAGE SELECTOR	230-240 V

[2] Types of transistor and LED

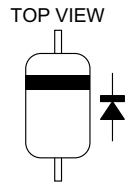


KRC107 M
KTA1266 GR
KTC3265 Y
KTA1273 Y
KTA1274 Y

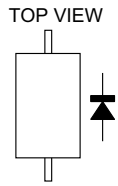
KTC3194 Y
KTC3199 GR
KTC3200 GR
KTC3203 Y



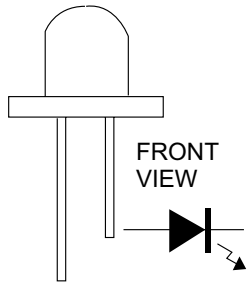
KRA107 S
KRC102 S
KRC104 S
KTA1504 Y
KTA1298 Y
KTC3875 GR
2SB709 AR
2SD601 AR



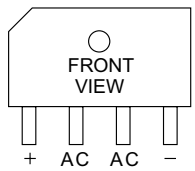
DS1SS133



1N4004S



304VT2H3
SDPB50CD



D10XB60F

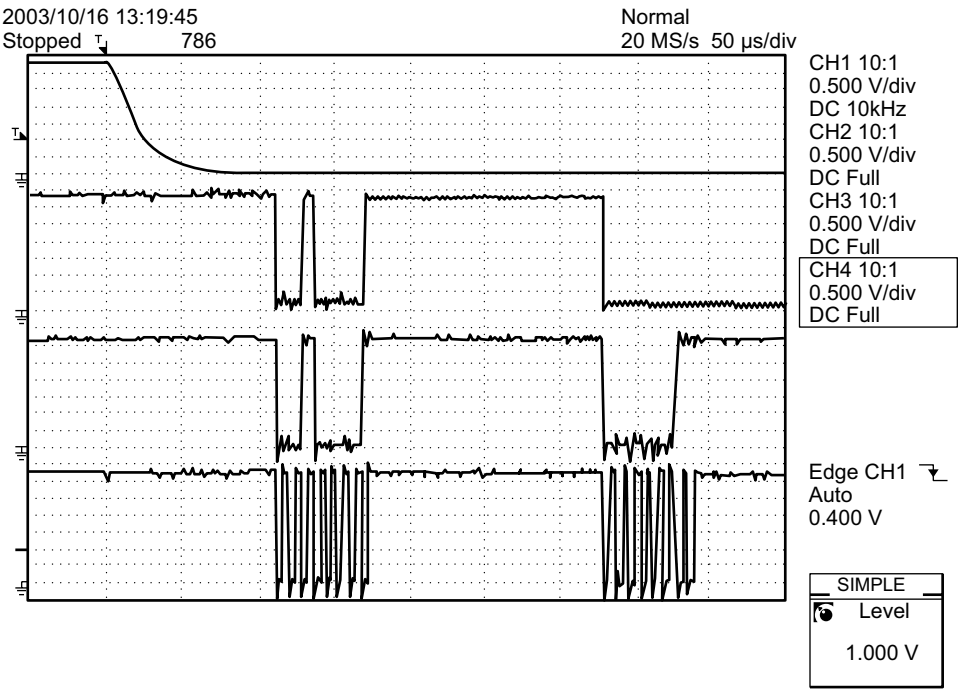
[3] Waveforms of DVD circuit

❶ DVD_CS IN

❷ S_DIN

❸ S_DOUT

❹ SCLK OUT



[4] Voltage

IC1	
PIN NO.	VOLTAGE
1	3.20 V
2	1.61V
3	1.61 V
4	1.60 V
5	1.61 V
6	3.08 V
7	1.65 V
8	1.65 V
9	1.65 V
10	1.65 V
11	1.48 V
12	0 V
13	1.65 V
14	0 V
15	1.65 V
16	1.47 V
17	1.48 V
18	0 V
19	0 V
20	0 V
21	1.60 V
22	0 V
23	1.61 V
24	1.61 V
25	0 V
26	0 V
27	3.20 V
28	0 V
29	3.20 V
30	0 V
31	0 V
32	1.59 V
33	1.60 V
34	3.20 V
35	0 V
36	0 V
37	0 V
38	0 V
39	0 V
40	0 V
41	3.61 V
42	0 V
43	0 V
44	1.80 V
45	3.60 V
46	0 V
47	1.45 V
48	1.49 V
49	3.19 V
50	3.79 V
51	0 V
52	0 V
53	0 V
54	0 V
55	0 V
56	0 V
57	0 V
58	0 V
59	0 V
60	3.20 V
61	0 V
62	0 V
63	0.63 V
64	0 V
65	5.16 V
66	5.18 V
67	4.68 V
68	0 V
69	0 V
70	0 V
71	0 V
72	0 V
73	0 V
74	4.86 V
75	4.86 V
76	3.01 V
77	0 V
78	1.12 V
79	0 V
80	3.20 V

IC2	
PIN NO.	VOLTAGE
1	2.10 V
2	2.20 V
3	2.10 V
4	2.20 V
5	2.10 V
6	2.20 V
7	0 V
8	4.37 V
9	5.02 V
10	3.20 V
11	1.62 V
12	1.65 V
13	1.62 V
14	1.65 V
15	1.62 V
16	0 V
17	1.62 V
18	1.64 V
19	4.71 V
20	4.71 V
21	3.92 V
22	3.11 V
23	3.10 V
24	2.50 V
25	1.65 V
26	0 V
27	5.02 V
28	8.68 V
29	5.02 V
30	0.59 V
31	0.71 V
32	0 V
33	0 V
34	0 V
35	2.11 V
36	2.20 V

IC101	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0.57 V
4	2.03 V
5	0.44 V
6	0 V
7	0 V
8	0.58 V
9	3.45 V
10	3.35 V
11	0 V
12	0 V
13	6.97 V
14	4.16 V
15	0 V
16	3.42 V
17	0.57 V
18	0 V
19	0 V
20	0.41 V
21	2.03 V
22	0.57 V
23	0 V
24	0 V

IC301	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0.29 V
4	0.20 V
5	0 V
6	0.29 V
7	0.26 V
8	0.29 V
9	0.29 V

IC302	
PIN NO.	VOLTAGE
1	2.57 V
2	0 V
3	0 V
4	0 V
5	0 V
6	5.22 V
7	10.18 V
8	4.76 V
9	0 V
10	0 V
11	5.23 V
12	0 V
13	5.23 V
14	0 V
15	0 V
16	2.59 V
17	5.24 V
18	0 V
19	0 V
20	10.18 V
21	0 V
22	2.57 V

IC303	
PIN NO.	VOLTAGE
1	1.97 V
2	5.15 V
3	1.97 V
4	1.96 V
5	0 V
6	0 V
7	5.21 V
8	3.59 V
9	5.15 V
10	0 V
11	2.01 V
12	1.25 V
13	2.27 V
14	1.13 V
15	1.10 V
16	1.96 V
17	0 V
18	1.29 V
19	2.08 V
20	1.29 V
21	1.95 V
22	1.95 V
23	5.15 V
24	3.65 V

IC601	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	5.10 V
5	5.10 V
6	5.10 V
7	5.10 V
8	5.11 V
9	5.10 V
10	5.10 V
11	5.10 V
12	5.10 V
13	5.10 V
14	5.10 V
15	5.10 V
16	5.10 V
17	5.10V
18	5.10 V
19	5.10 V
20	5.10 V
21	5.10 V
22	5.10 V
23	10.20 V
24	0 V

IC901	
PIN NO.	VOLTAGE
1	52.80 V
2	21.60 V
3	9.60 V
4	-9.70 V
5	-21.60V
6	-48.80 V
7	0 V
8	-19.70 V
9	-22.90 V
10	-22.10 V
11	-18.60 V
12	-51.30 V
13	51.40V
14	-0.14 V
15	-0.13 V
16	-50.04 V
17	-0.14 V
18	-0.14 V

IC851	
PIN NO.	VOLTAGE
1	5.22 V
2	13.11 V
3	20.66 V
4	0 V
5	19.72 V
6	10.22 V
7	8.67 V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.74 V	51	0 V
2	4.65 V	52	0 V
3	0 V	53	0 V
4	4.70 V	54	0 V
5	4.72V	55	5.17 V
6	4.72 V	56	5.17 V
7	0 V	57	-29.70 V
8	0 V	58	0 V
9	0 V	59	-0.26 V
10	4.83 V	60	-0.24 V
11	2.27 V	61	-0.22 V
12	1.99 V	62	-0.20 V
13	0 V	63	-0.19 V
14	4.73 V	64	-0.19 V
15	0 V	65	-0.18 V
16	4.74 V	66	-0.17 V
17	0 V	67	-0.16 V
18	0 V	68	0 V
19	5.22 V	69	-29.90 V
20	0 V	70	-29.90 V
21	0 V	71	-29.90 V
22	4.68 V	72	-29.90 V
23	0 V	73	-29.90 V
24	0 V	74	-19.76 V
25	0 V	75	-27.40 V
26	5.20 V	76	-24.87 V
27	0 V	77	-22.29 V
28	5.01 V	78	-22.30 V
29	5.01 V	79	-30.13 V
30	2.64 V	80	-27.43 V
31	5.01 V	81	-14.50 V
32	5.01 V	82	-27.20 V
33	0 V	83	-19.30 V
34	0 V	84	-6.08 V
35	5.01 V	85	-21.85 V
36	1.67 V	86	-27.22 V
37	5.20 V	87	-21.89 V
38	5.01 V	88	-17.00 V
39	4.87 V	89	-27.38 V
40	0 V	90	-27.10 V
41	2.02 V	91	-27.07 V
42	0 V	92	-27.00 V
43	13.10 V	93	-27.00 V
44	0 V	94	-27.35 V
45	0 V	95	-26.27 V
46	4.74 V	96	-27.11 V
47	0 V	97	-27.00 V
48	4.61 V	98	-27.07 V
49	0 V	99	-27.07 V
50	0 V	100	-26.83 V

IC3401

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	3.5 V	43	0 V
2	2.6 V	44	2.6 V
3	3.5 V	45	0 V
4	2.3 V	46	2.3 V
5	2.3 V	47	2.3 V
6	0 V	48	3.5 V
7	2.3 V	49	2.3 V
8	2.8 V	50	2.8 V
9	3.5 V	51	0 V
10	2.2 V	52	2.2 V
11	2.2 V	53	2.2 V
12	0 V	54	3.5 V
13	2.5 V	55	2.5 V
14	2.4 V	56	0 V
15	3.5 V	57	0 V
16	2.0 V	58	2.0 V
17	3.4 V	59	1.7 V
18	3.4 V	60	1.6 V
19	3.3 V	61	1.8 V
20	3.1 V	62	1.7 V
21	0 V	63	2.9 V
22	1.6 V	64	0 V
23	1.6 V	65	0 V
24	0 V	66	3.5 V
25	0 V	67	1.8 V
26	0 V	68	0 V
27	2.0 V	69	0 V
28	3.5 V	70	2.0 V
29	0.6 V	71	0 V
30	2.6 V	72	0 V
31	0 V	73	2.6 V
32	2.3 V	74	3.5 V
33	2.3 V	75	2.3 V
34	3.5 V	76	0 V
35	2.3 V	77	2.3 V
36	2.8 V	78	2.8 V
37	0 V	79	3.5 V
38	2.2 V	80	2.2 V
39	2.2 V	81	2.2 V
40	3.5 V	82	0 V
41	2.5 V	83	2.5 V
42	3.5 V	84	0 V

IC3501

PIN NO.	VOLTAGE
1	0.4 V
2	0.5 V
3	2.6 V
4	2.8 V
5	0.7 V
6	0.5 V
7	0.7 V
8	2.7 V
9	0 V
10	0 V
11	3.5 V
12	3.1 V
13	0 V
14	3.5 V
15	0 V
16	0 V
17	0 V
18	2.7 V
19	2.9 V
20	2.6 V
21	0.8 V
22	0.7 V
23	0.7 V
24	2.8 V
25	2.9 V
26	2.9 V
27	0 V
28	2.9 V
29	2.8 V
30	2.6 V
31	2.8 V
32	0.6 V
33	0.7 V
34	0.5 V
35	0.7 V
36	0.7 V
37	3.5 V
38	0.7 V
39	2.7 V
40	2.6 V
41	2.6 V
42	2.8 V
43	0.5 V
44	2.7 V
45	0.5 V
46	0 V
47	3.5 V
48	2.7 V

IC3704

PIN NO.	VOLTAGE
1	1.2 V
2	1.2 V
3	0 V
4	0 V
5	1.4 V
6	1.7 V
7	0 V
8	0 V
9	0 V
10	7.6 V
11	0 V
12	0 V
13	1.3 V
14	1.3 V
15	0 V
16	0 V
17	0.7 V
18	0.7 V
19	7.6 V
20	1.3 V
21	1.3 V
22	7.6 V
23	1.3 V
24	7.6 V
25	1.2 V
26	1.2 V
27	0 V
28	1.2 V

IC3001

PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	3.5 V	51	0 V	101	3.4 V	151	0 V	201	2.2 V	251	3.5 V
2	2.5 V	52	3.4 V	102	0 V	152	1.7 V	202	3.5 V	252	3.5 V
3	2.5 V	53	3.3 V	103	0 V	153	1.3 V	203	2.3 V	253	3.5 V
4	0 V	54	3.3 V	104	3.4 V	154	0 V	204	2.5 V	254	0 V
5	2.7 V	55	2.7 V	105	0.9 V	155	2.2 V	205	2.6 V	255	3.5 V
6	2.3 V	56	3.5 V	106	0 V	156	3.4 V	206	0 V	256	3.5 V
7	3.5 V	57	0 V	107	0.8 V	157	0.7 V	207	2.0 V		
8	3.5 V	58	0 V	108	0.6 V	158	0 V	208	2.0 V		
9	2.3 V	59	0 V	109	2.1 V	159	3.4 V	209	3.4 V		
10	2.3 V	60	2.4 V	110	2.6 V	160	3.4 V	210	1.7 V		
11	0 V	61	3.4 V	111	2.1 V	161	3.4 V	211	0 V		
12	2.6 V	62	3.4 V	112	1.2 V	162	0.7 V	212	1.6 V		
13	2.6 V	63	3.4 V	113	2.0 V	163	1.7 V	213	1.3 V		
14	3.5 V	64	1.7 V	114	1.6 V	164	3.4 V	214	0 V		
15	1.3 V	65	0 V	115	1.6 V	165	1.4 V	215	0 V		
16	0 V	66	2.9 V	116	1.6 V	166	0 V	216	1.7 V		
17	0 V	67	1.3 V	117	1.0 V	167	2.2 V	217	0 V		
18	3.5 V	68	3.8 V	118	3.5 V	168	0 V	218	3.4 V		
19	2.7 V	69	0 V	119	0 V	169	1.6 V	219	1.6 V		
20	0.8 V	70	1.7 V	120	1.0 V	170	3.4 V	220	0 V		
21	2.7 V	71	1.7 V	121	1.7 V	171	1.7 V	221	0 V		
22	2.7 V	72	0 V	122	2.1 V	172	3.4 V	222	1.3 V		
23	3.5 V	73	0 V	123	2.1 V	173	1.7 V	223	1.8 V		
24	0 V	74	3.4 V	124	2.1 V	174	2.7 V	224	0 V		
25	3.1 V	75	3.4 V	125	2.1 V	175	1.7 V	225	1.0 V		
26	0 V	76	3.4 V	126	2.1 V	176	1.7 V	226	3.5 V		
27	0.5 V	77	3.4 V	127	2.1 V	177	0 V	227	0 V		
28	0.5 V	78	1.7 V	128	2.1 V	178	0 V	228	0 V		
29	3.5 V	79	3.5 V	129	2.1 V	179	0 V	229	0 V		
30	0 V	80	0 V	130	2.1 V	180	0 V	230	0 V		
31	2.8 V	81	3.5 V	131	2.1 V	181	1.7 V	231	0 V		
32	0.7 V	82	0 V	132	0 V	182	3.5 V	232	3.4 V		
33	2.9 V	83	3.4 V	133	0 V	183	0 V	233	3.4 V		
34	2.7 V	84	0 V	134	0 V	184	2.6 V	234	0 V		
35	2.6 V	85	0 V	135	0 V	185	2.5 V	235	0 V		
36	0.7 V	86	0 V	136	2.1 V	186	1.3 V	236	0 V		
37	2.6 V	87	0 V	137	1.7 V	187	2.2 V	237	3.5 V		
38	0 V	88	0 V	138	0 V	188	1.3 V	238	3.5 V		
39	0 V	89	0 V	139	1.7 V	189	3.5 V	239	3.5 V		
40	0.5 V	90	0 V	140	1.7 V	190	2.3 V	240	3.5 V		
41	0.7 V	91	3.5 V	141	1.7 V	191	2.3 V	241	0 V		
42	3.5 V	92	1.7 V	142	1.7 V	192	2.3 V	242	3.5 V		
43	0 V	93	0 V	143	0 V	193	2.8 V	243	3.5 V		
44	2.7 V	94	0 V	144	1.4 V	194	0 V	244	1.5 V		
45	0.7 V	95	3.4 V	145	3.4 V	195	3.5 V	245	0 V		
46	2.9 V	96	0 V	146	1.7 V	196	2.8 V	246	3.5 V		
47	3.4 V	97	0 V	147	2.3 V	197	2.3 V	247	3.5 V		
48	0 V	98	1.3 V	148	2.3 V	198	0 V	248	0 V		
49	0 V	99	0 V	149	3.4 V	199	2.2 V	249	3.5 V		
50	0 V	100	0 V	150	1.7 V	200	2.3 V	250	3.5 V		

IC3504

PIN NO.	VOLTAGE
1	0 V
2	2.8 V
3	2.8 V
4	0.7 V
5	0.7 V
6	0.7 V
7	2.8 V
8	2.8 V
9	2.0 V
10	0 V

IC3503

PIN NO.	VOLTAGE
1	0 V
2	2.6 V
3	0.6 V
4	0.5 V
5	0.7 V
6	2.7 V
7	2.7 V
8	0.5 V
9	0.5 V
10	0 V

IC3801

PIN NO.	VOLTAGE
1	1.7 V
2	0 V
3	1.7 V
4	0 V
5	3.5 V
6	4.7 V
7	2.3 V
8	2.3 V
9	0 V
10	2.3 V
11	3.5 V
12	3.5 V
13	0 V
14	0 V
15	3.5 V
16	1.7 V

IC3702

PIN NO.	VOLTAGE
1	1.7 V
2	1.7 V
3	1.7 V
4	0 V
5	2.8 V
6	3.1 V
7	0 V
8	4.8 V

IC3601

PIN NO.	VOLTAGE
1	3.5 V
2	0 V
3	0.7 V
4	1.7 V
5	3.5 V
6	0 V
7	1.7 V
8	1.7 V
9	1.7 V
10	1.7 V
11	0 V
12	3.5 V
13	1.7 V
14	0 V
15	1.7 V
16	3.5 V

IC3602

PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	3.5 V
6	3.5 V
7	0 V
8	3.5 V

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Schematic diagram

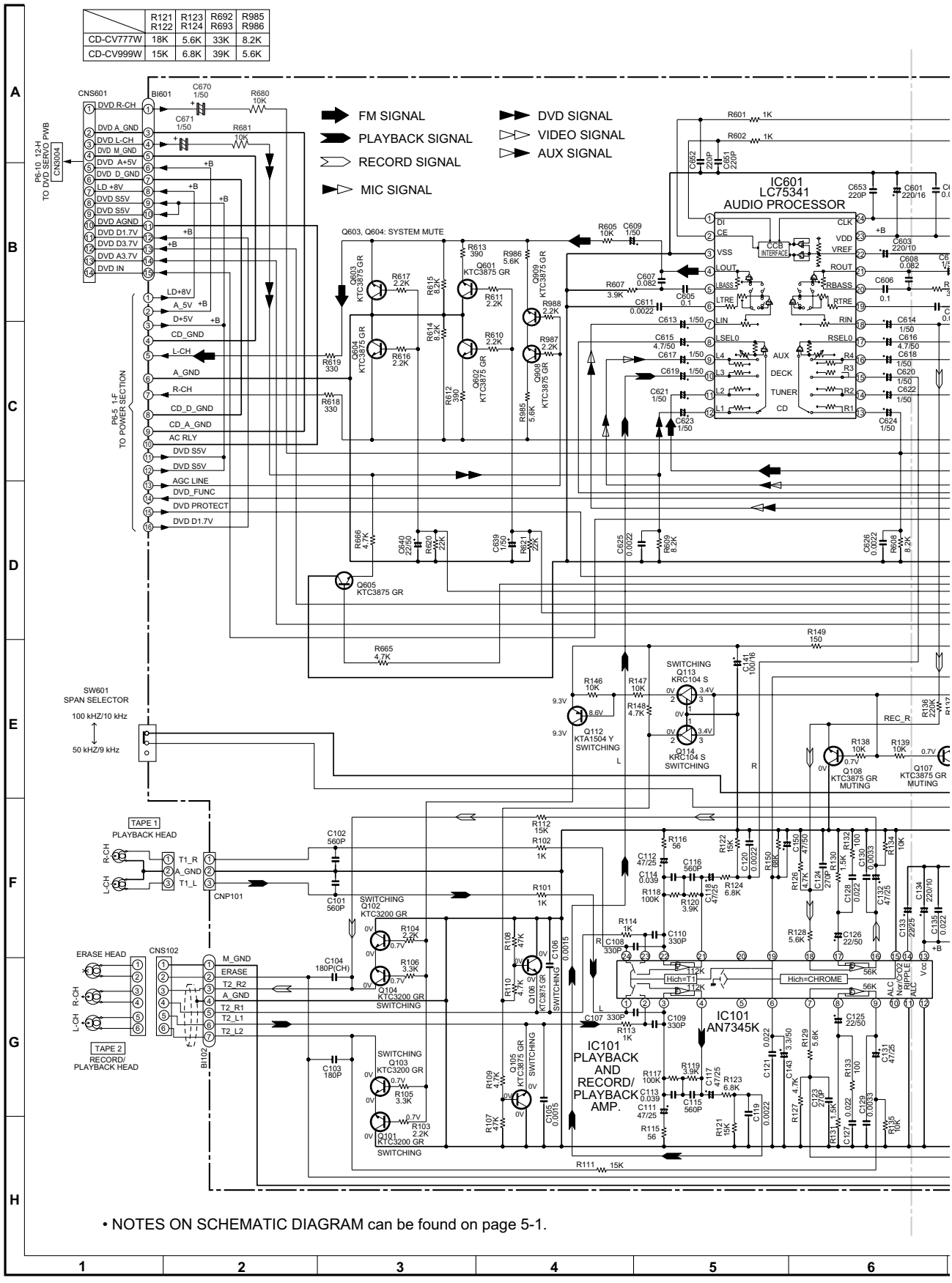
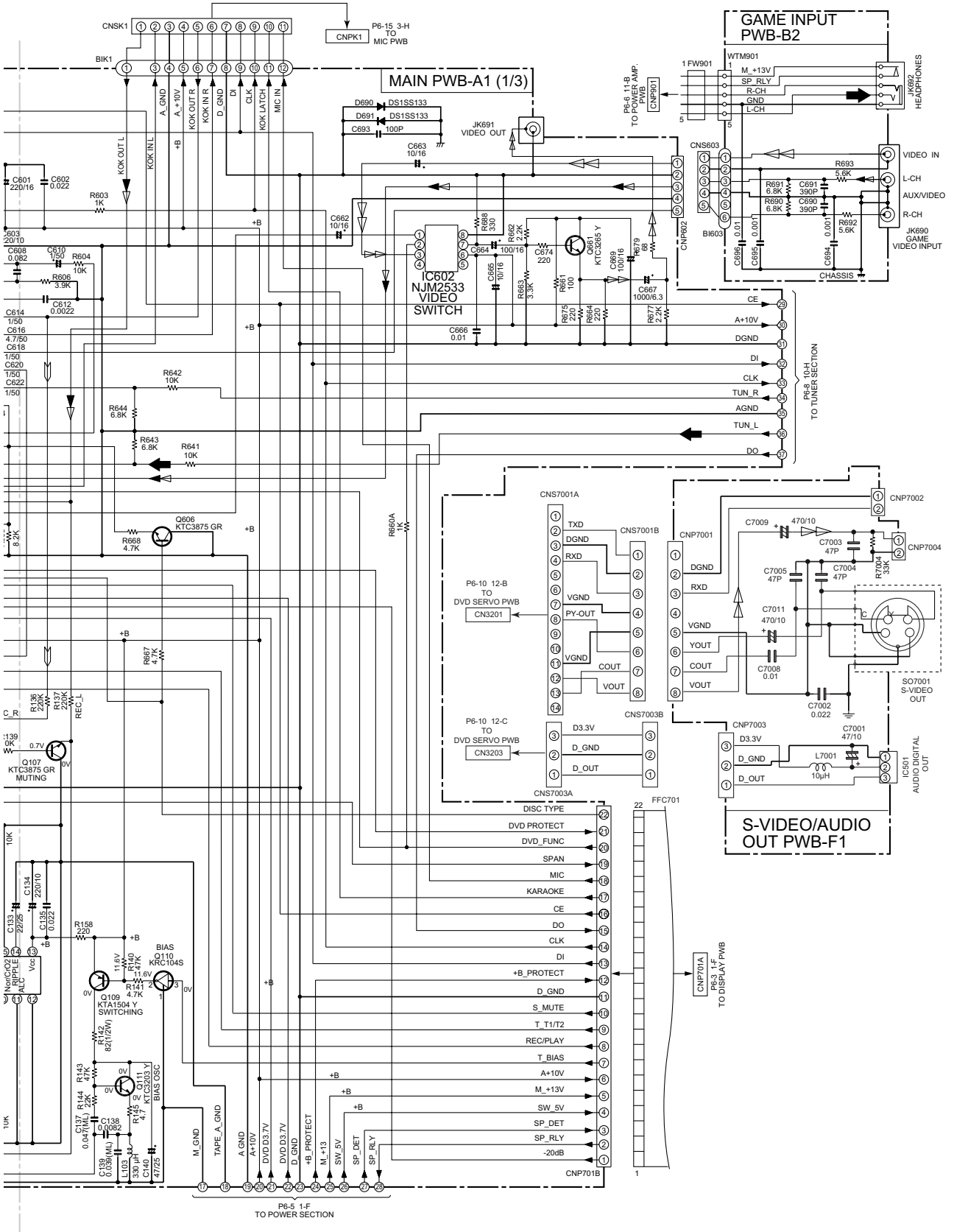
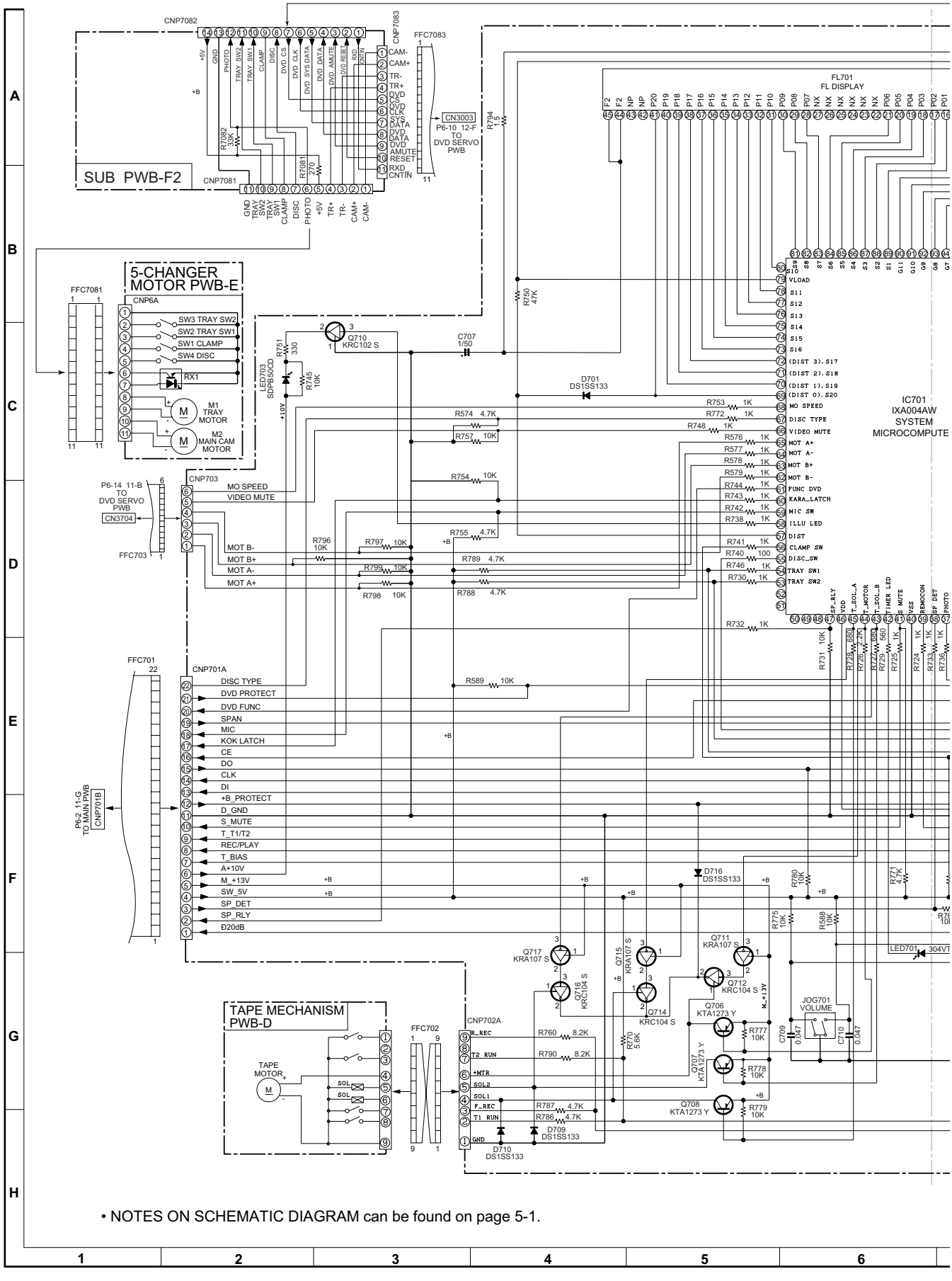


Figure 6-1 SCHEMATIC DIAGRAM (1/15)



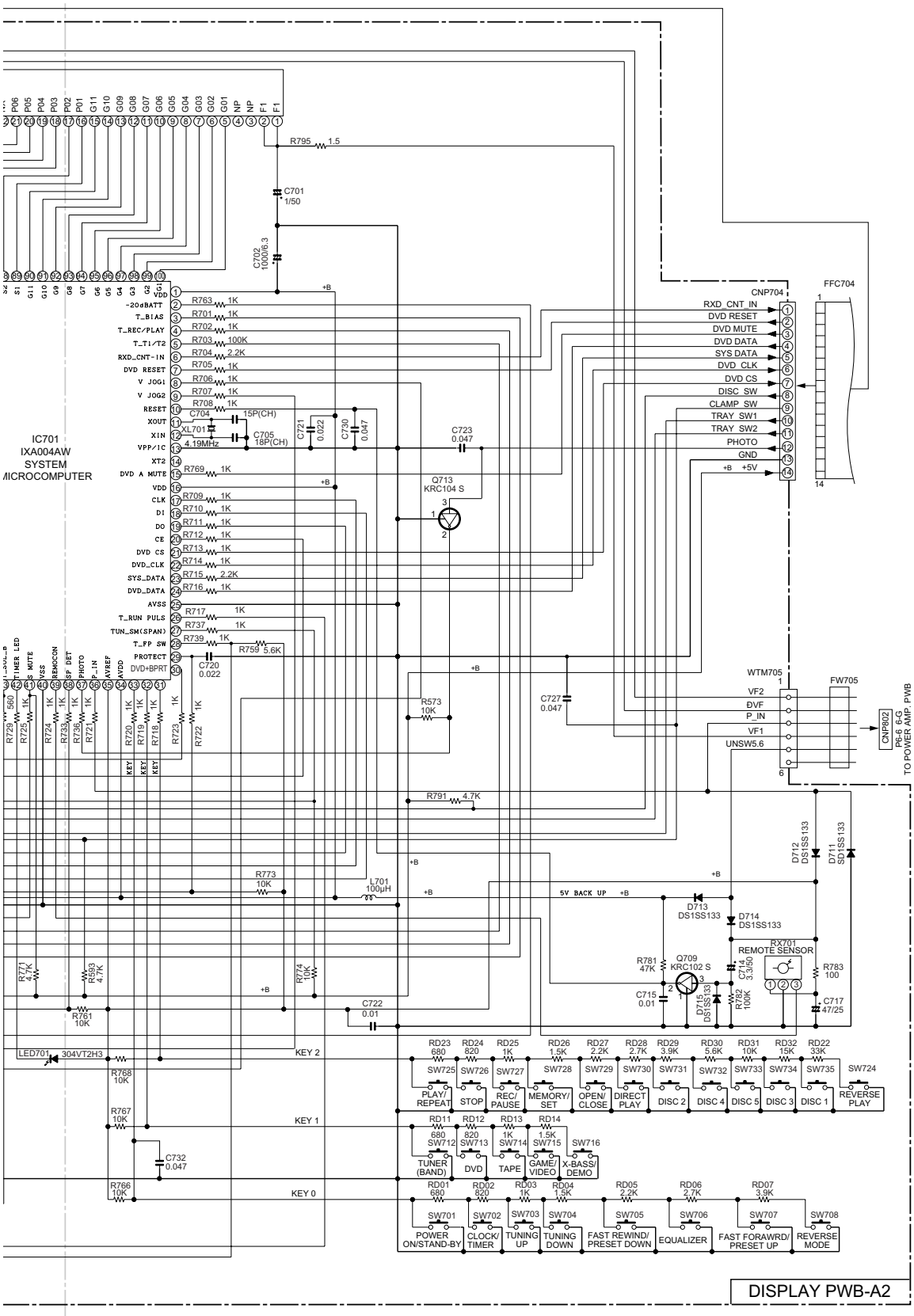
7	8	9	10	11	12

Figure 6-2 SCHEMATIC DIAGRAM (2/15)



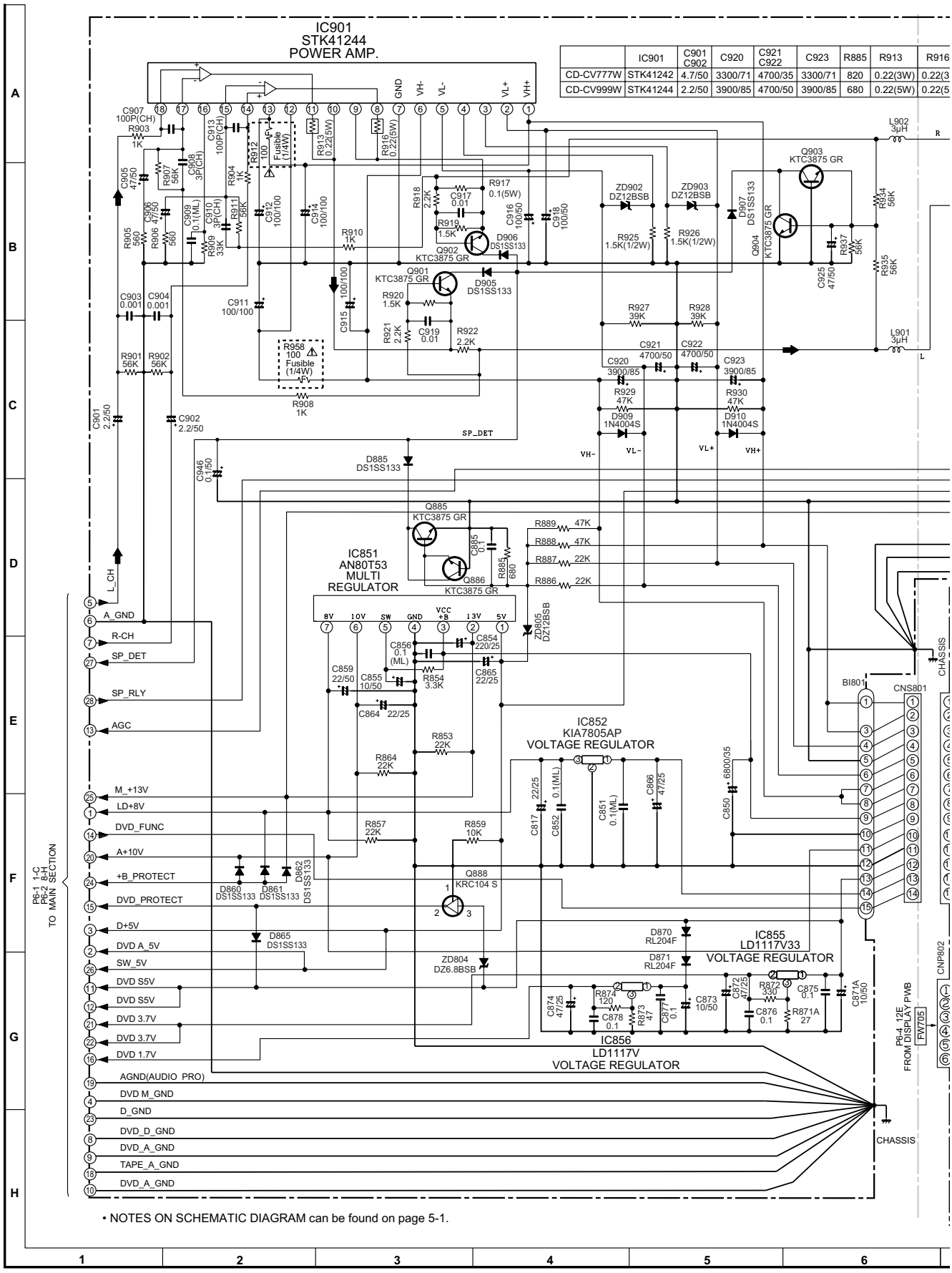
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-3 SCHEMATIC DIAGRAM (3/15)



7	8	9	10	11	12

Figure 6-4 SCHEMATIC DIAGRAM (4/15)



	IC901	C901 C902	C920	C921 C922	C923	R885	R913	R916
CD-CV777W	STK41242	4.7/50	3300/71	4700/35	3300/71	820	0.22(3W)	0.22(3
CD-CV999W	STK41244	2.2/50	3900/85	4700/50	3900/85	680	0.22(5W)	0.22(5

• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-5 SCHEMATIC DIAGRAM (5/15)

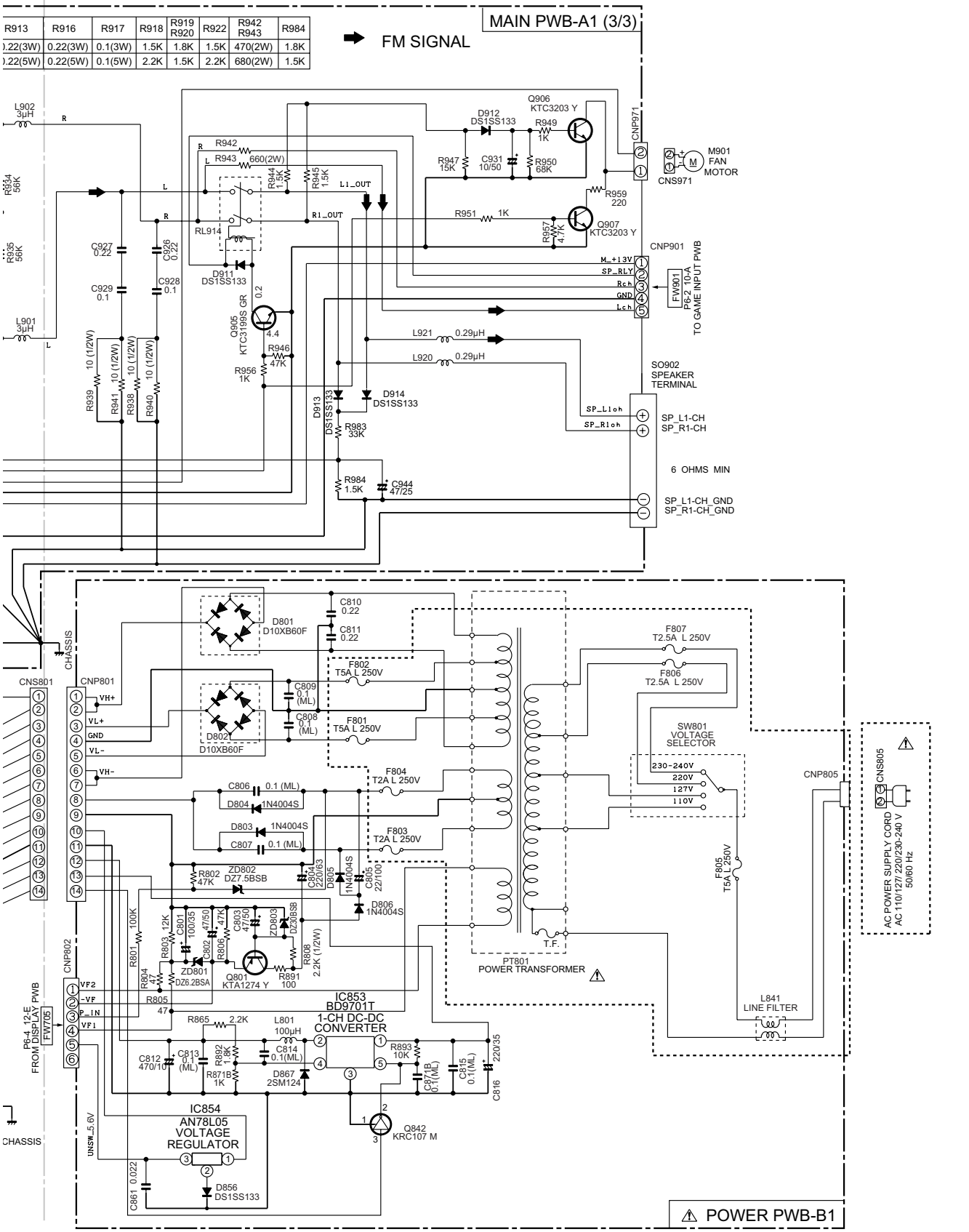
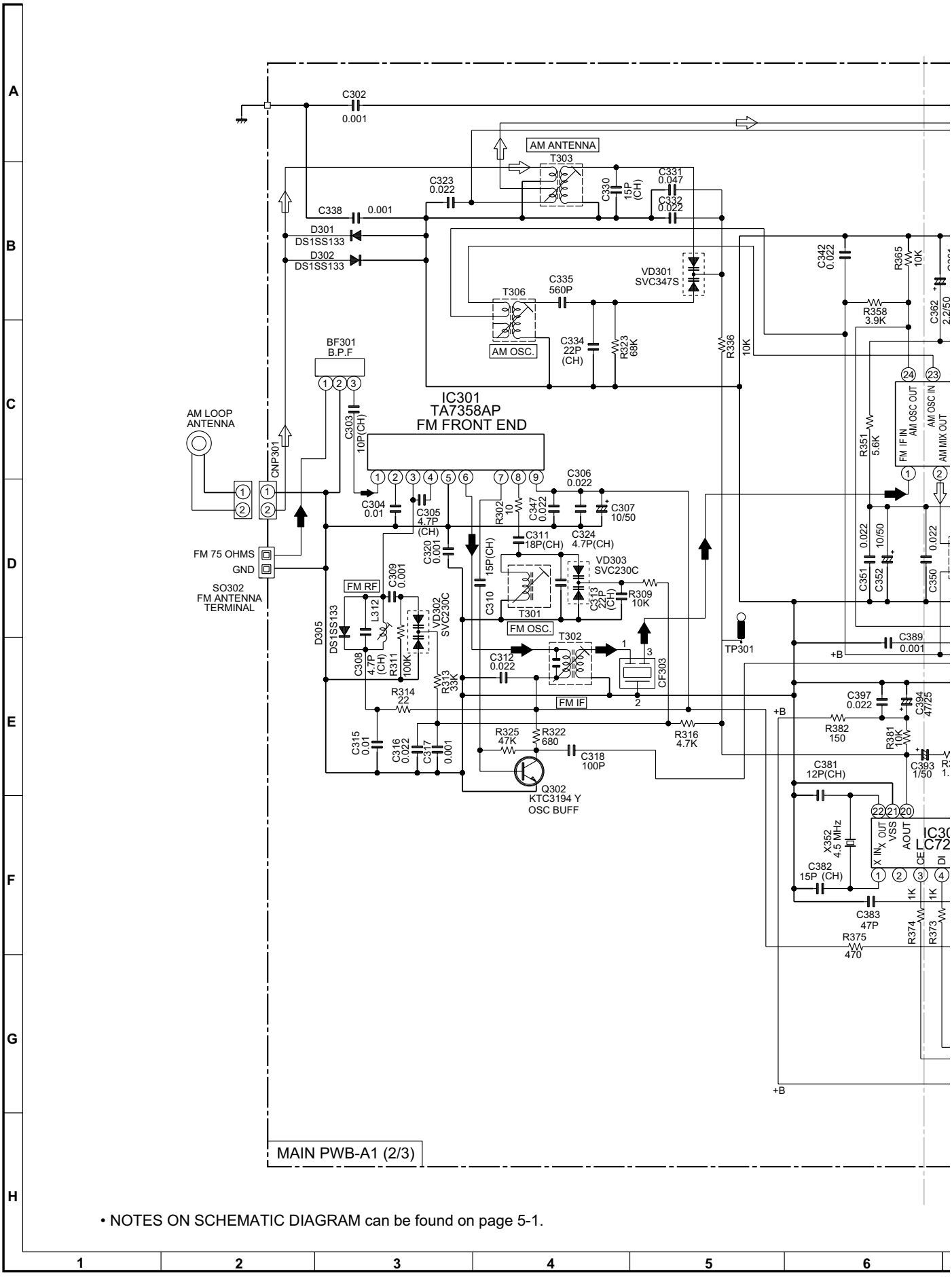
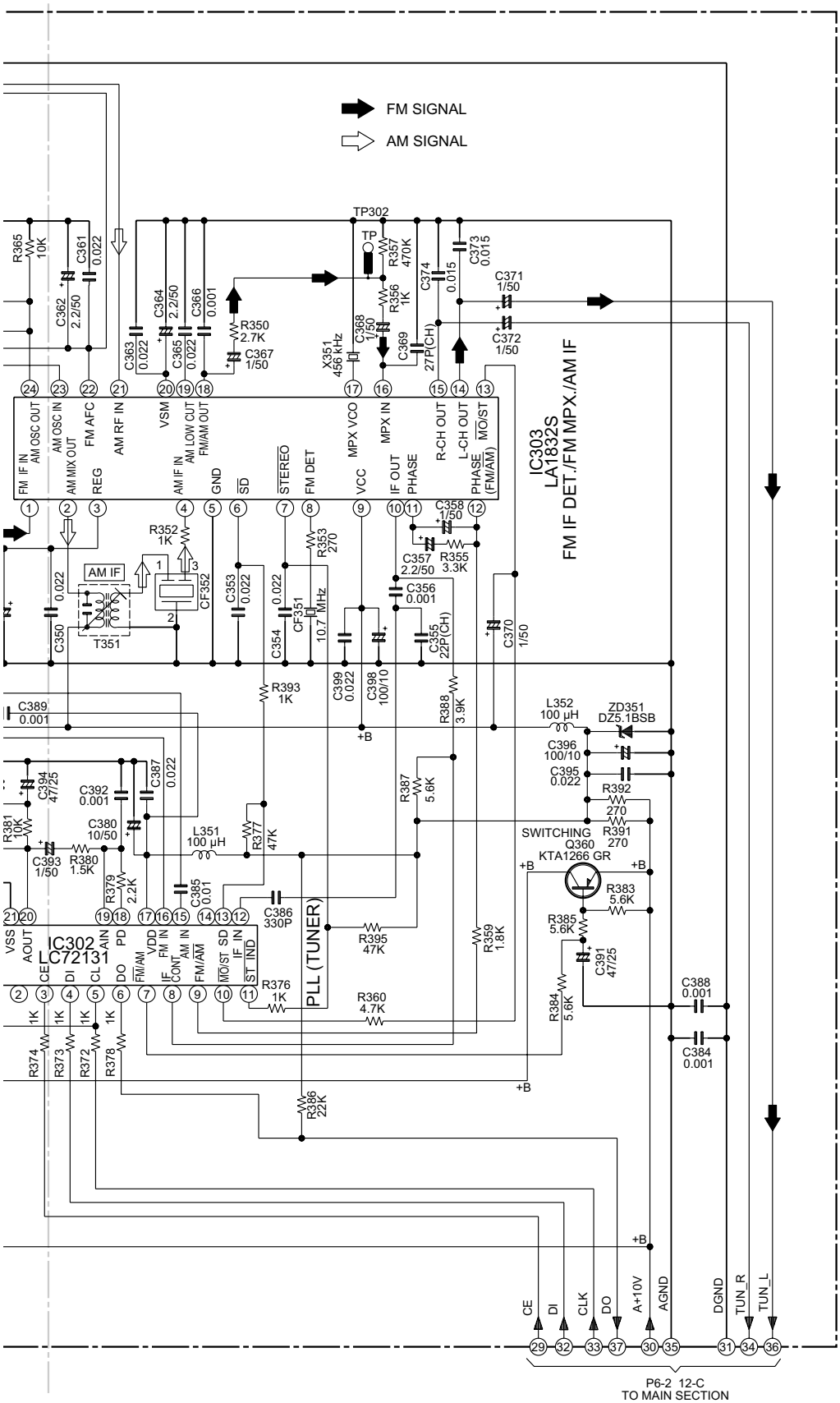


Figure 6-6 SCHEMATIC DIAGRAM (6/15)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-7 SCHEMATIC DIAGRAM (7/15)



	7	8	9	10	11	12

Figure 6-8 SCHEMATIC DIAGRAM (8/15)

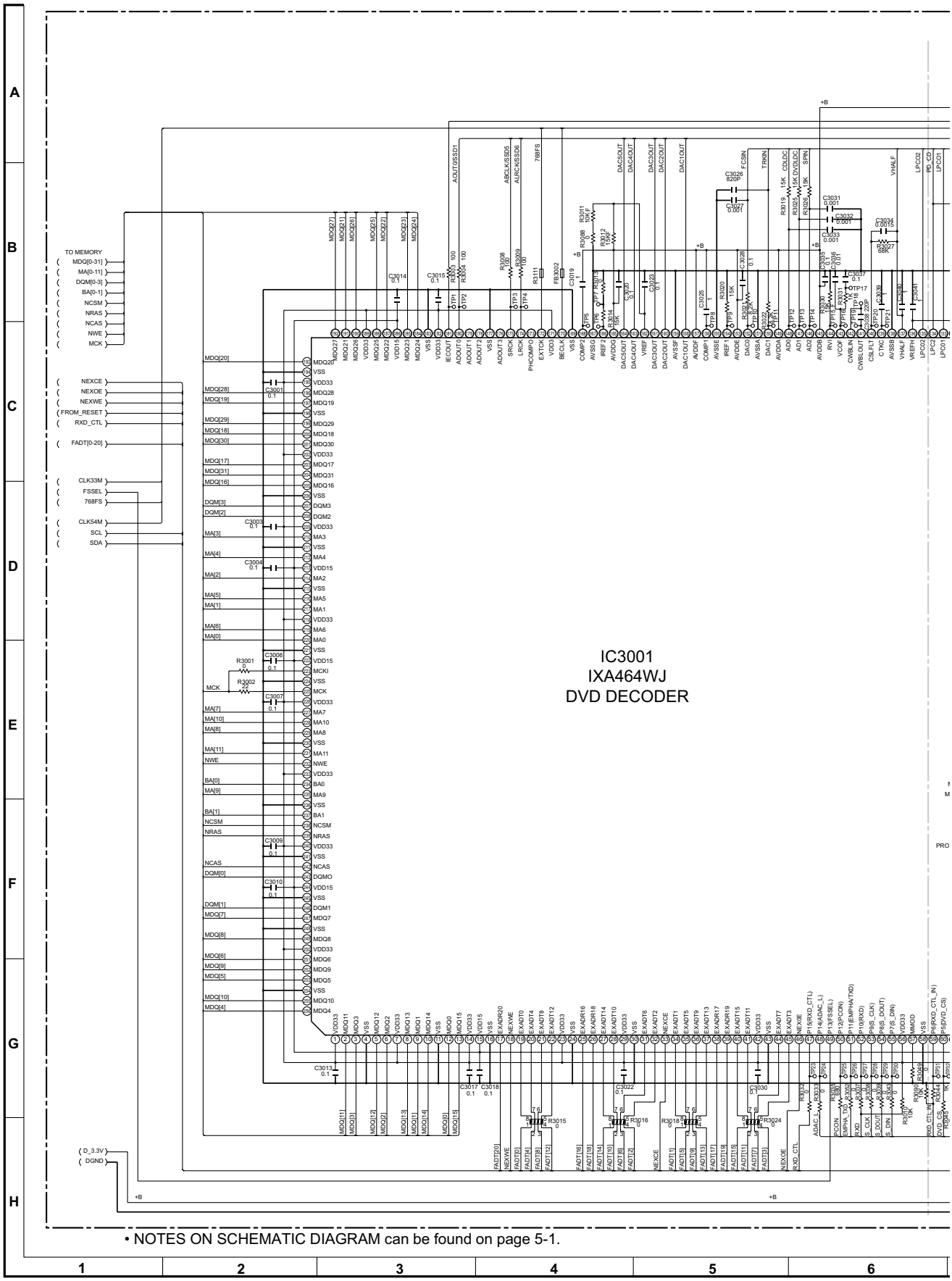
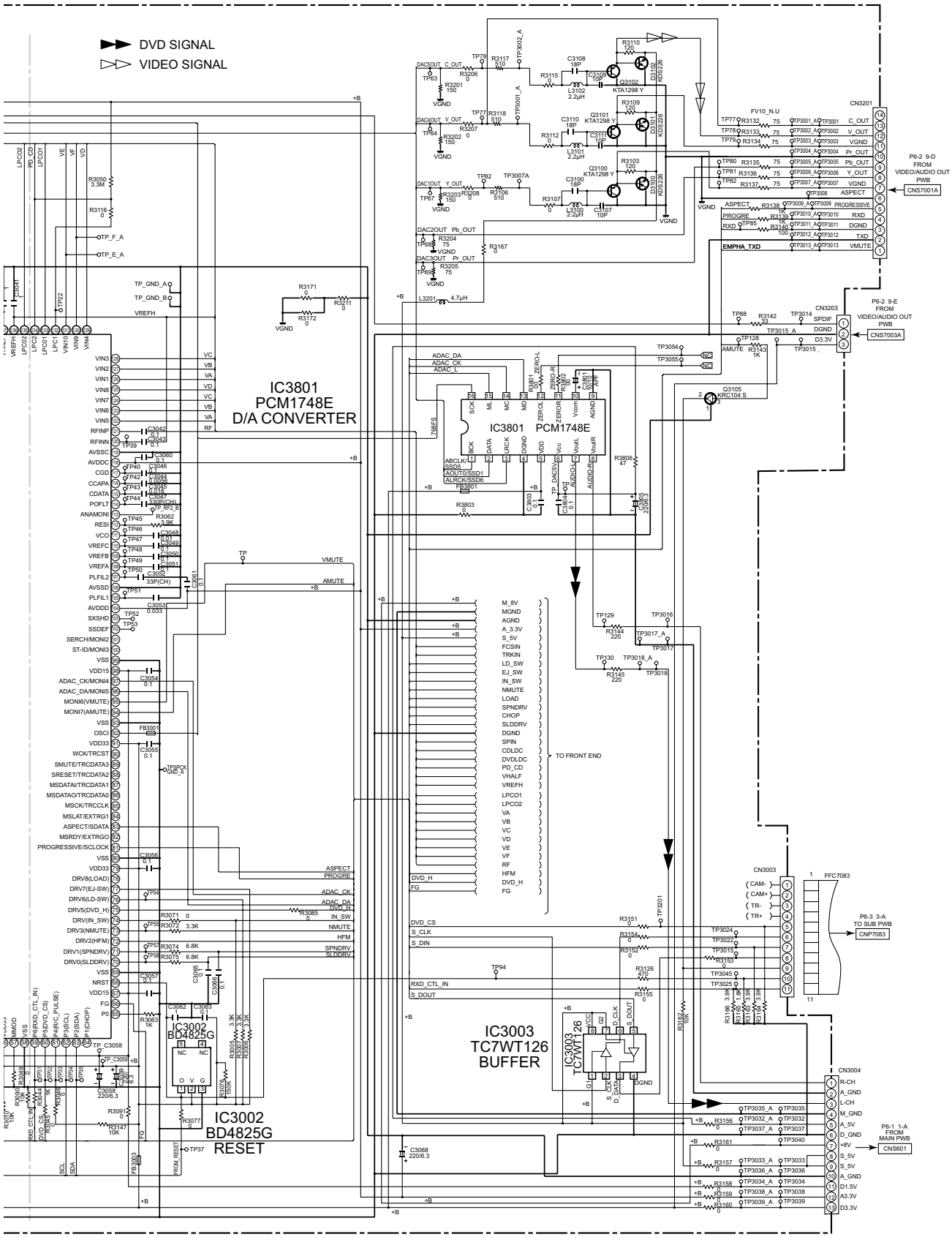
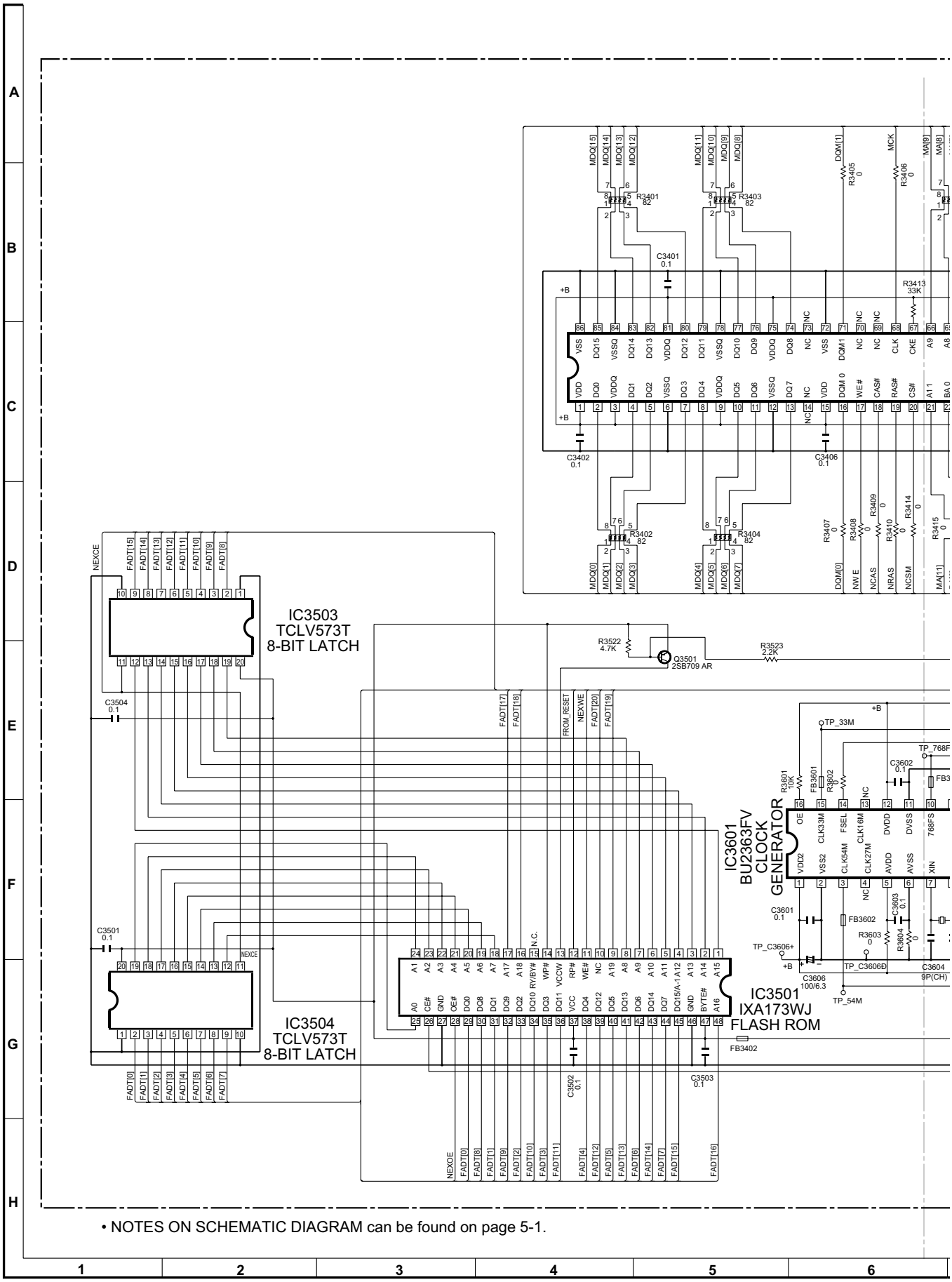


Figure 6-9 SCHEMATIC DIAGRAM (9/15)



	7	8	9	10	11	12

Figure 6-10 SCHEMATIC DIAGRAM (10/15)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-11 SCHEMATIC DIAGRAM (11/15)

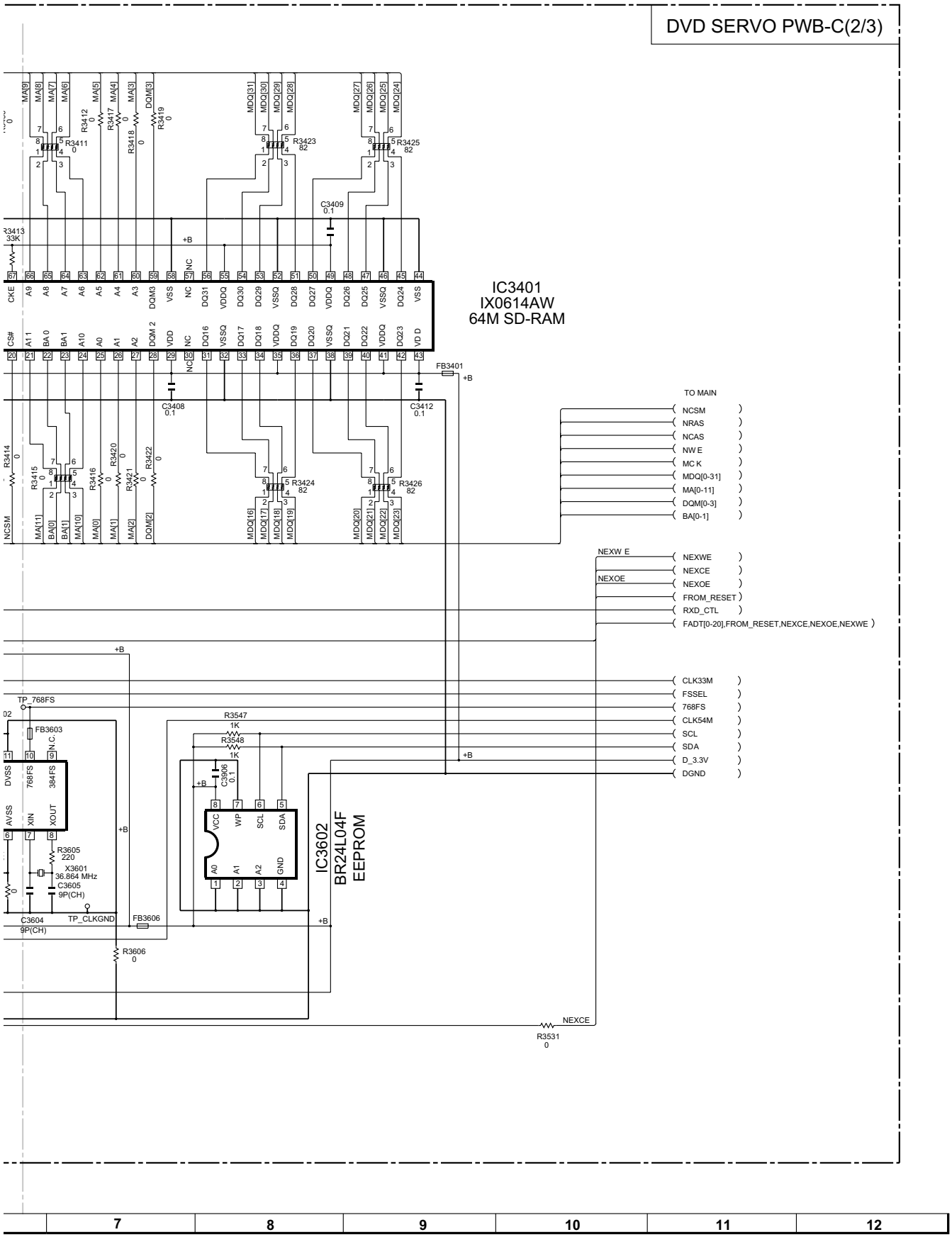
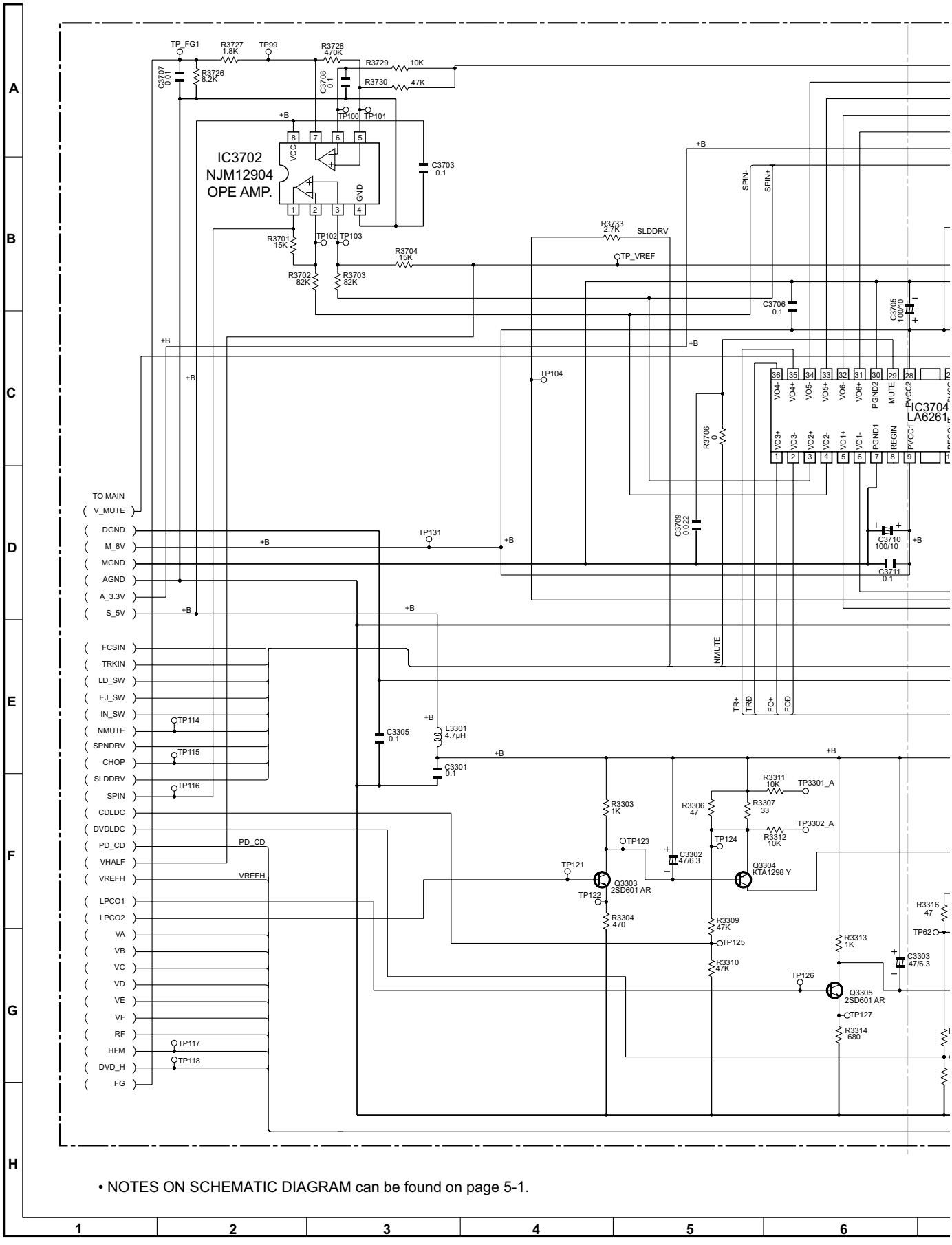
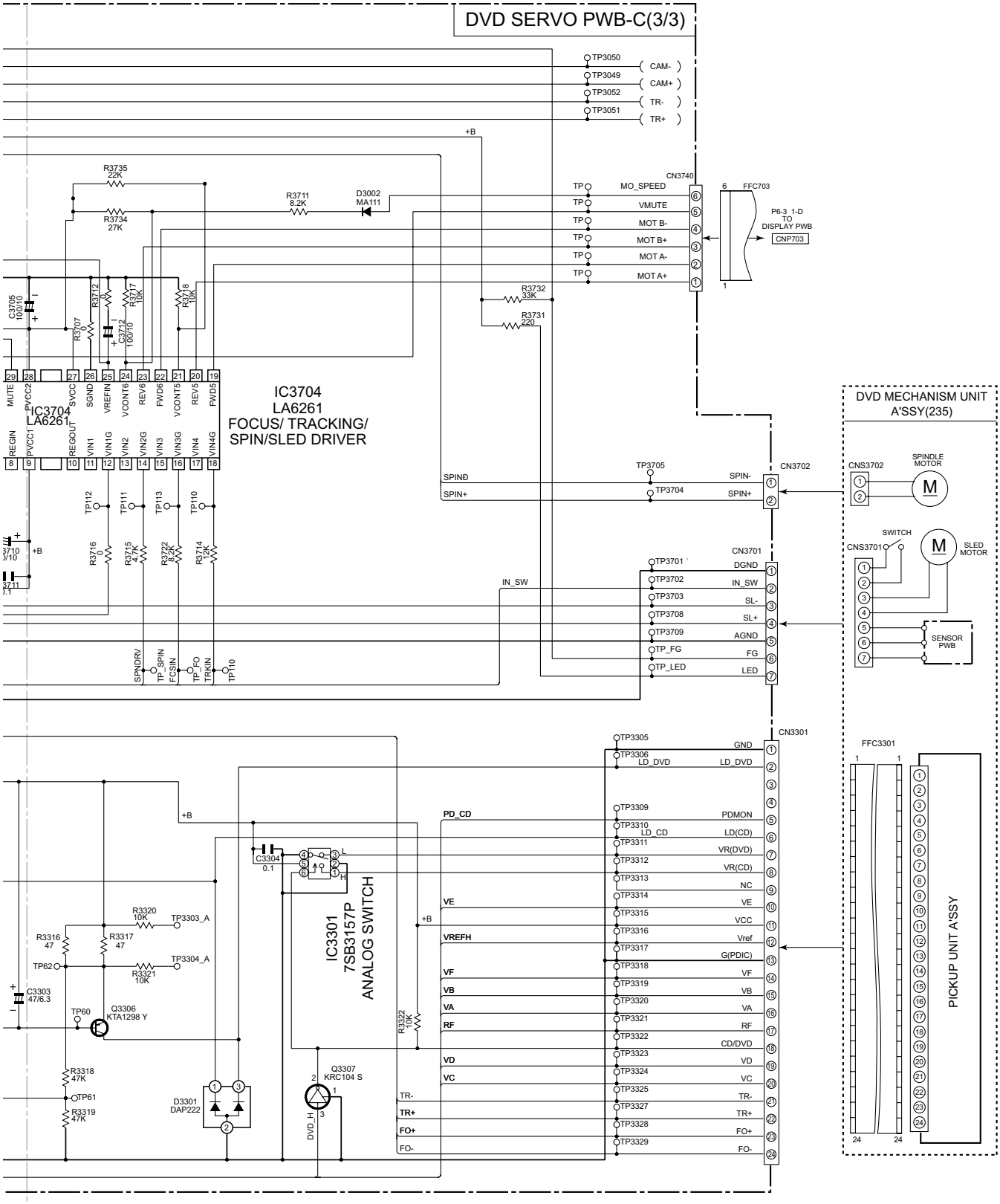


Figure 6-12 SCHEMATIC DIAGRAM (12/15)



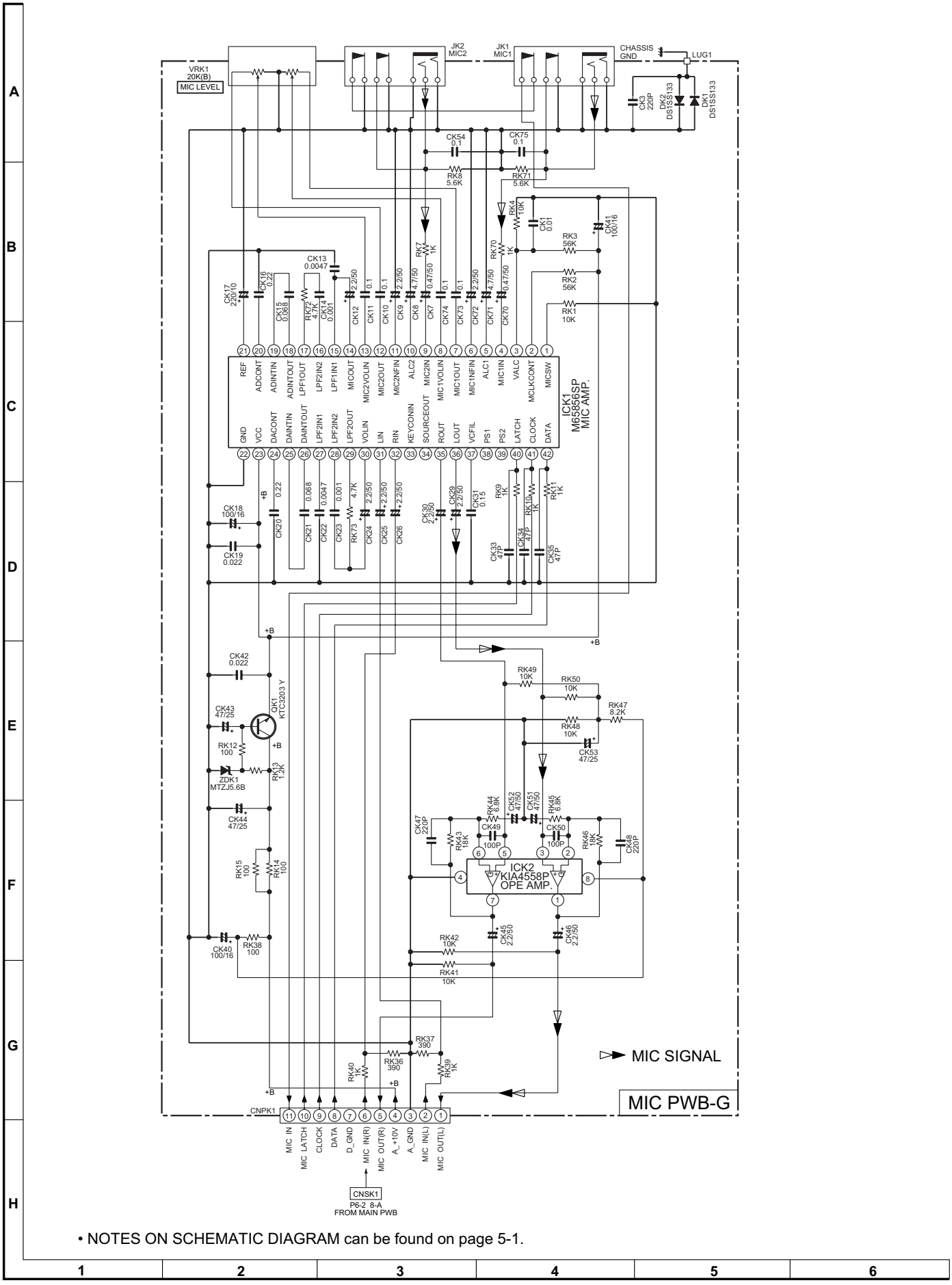
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-13 SCHEMATIC DIAGRAM (13/15)



7	8	9	10	11	12

Figure 6-14 SCHEMATIC DIAGRAM (14/15)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-15 SCHEMATIC DIAGRAM (15/15)

[2] Wiring side of PWB

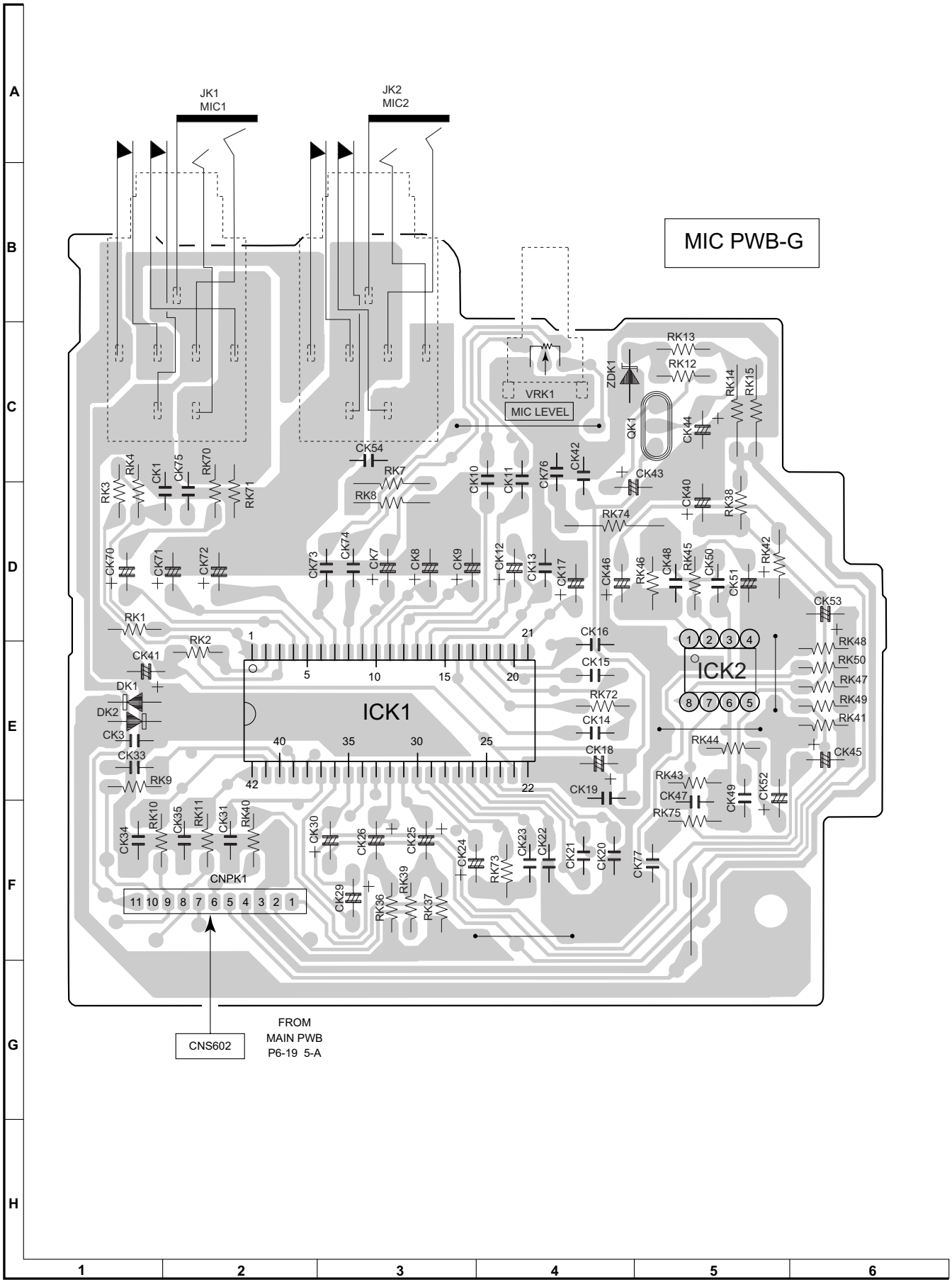


Figure 6-16 WIRING SIDE OF PWB (1/10)

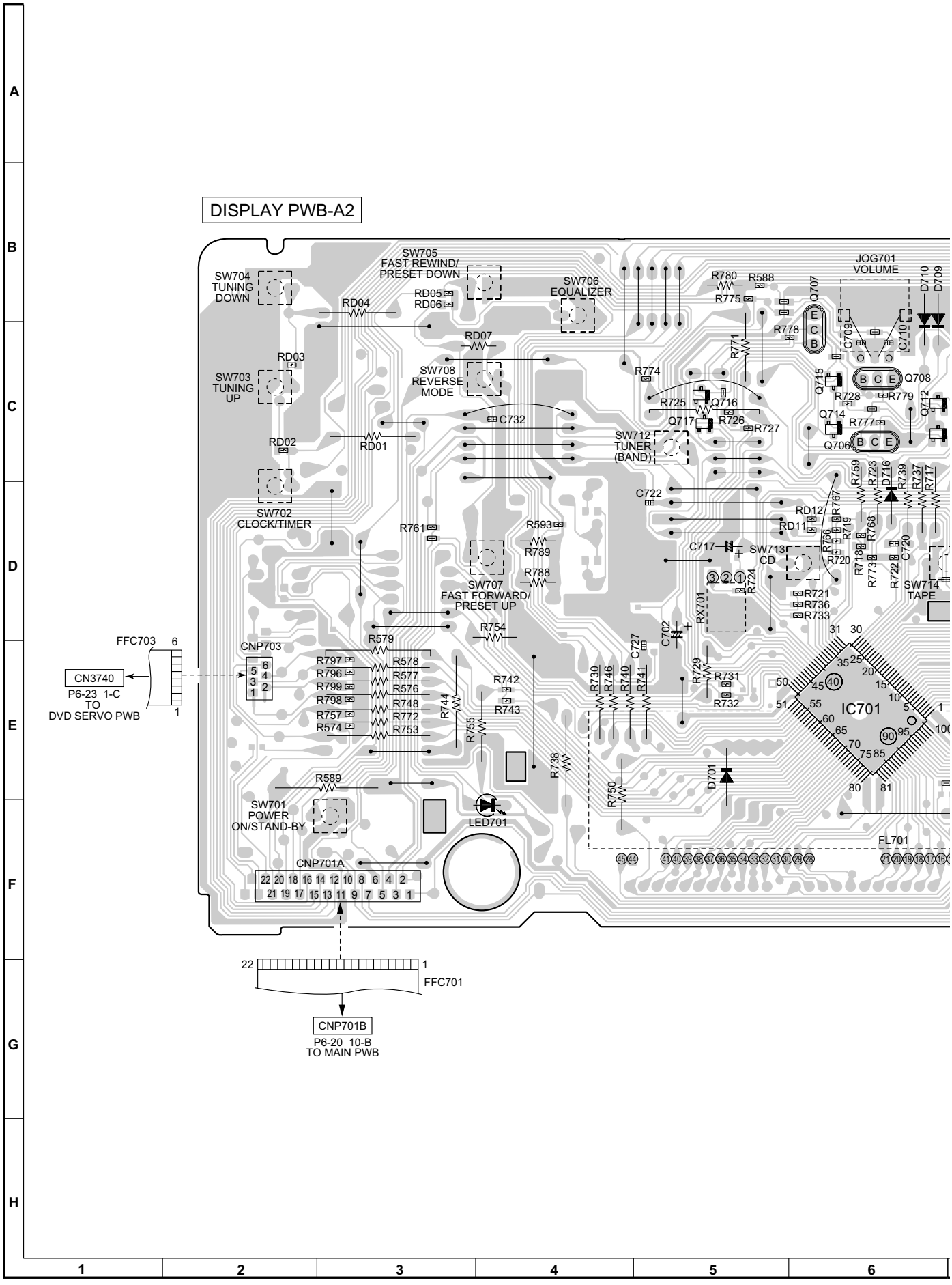
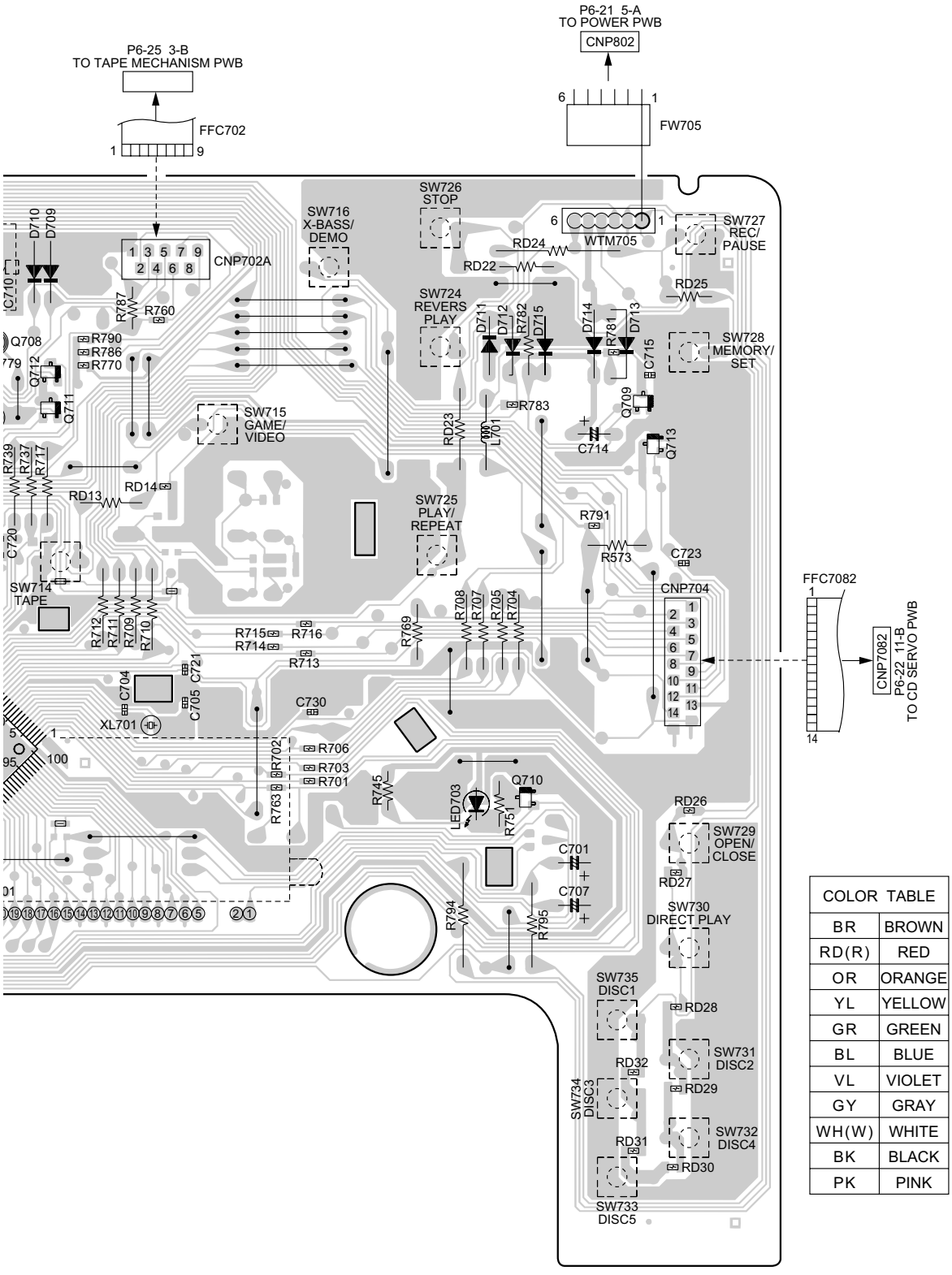


Figure 6-17 WIRING SIDE OF PWB (2/10)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

	7	8	9	10	11	12

Figure 6-18 WIRING SIDE OF PWB (3/10)

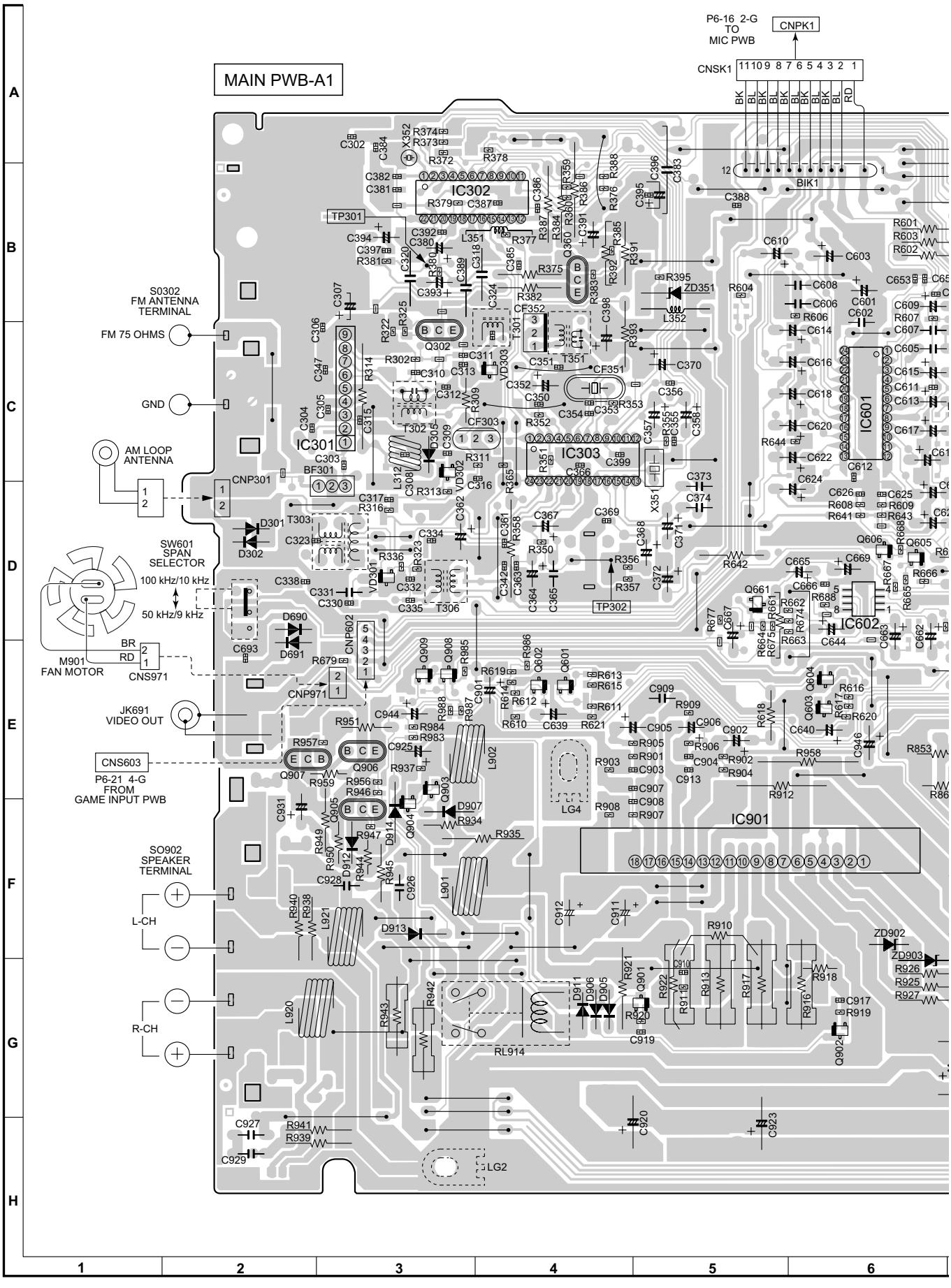
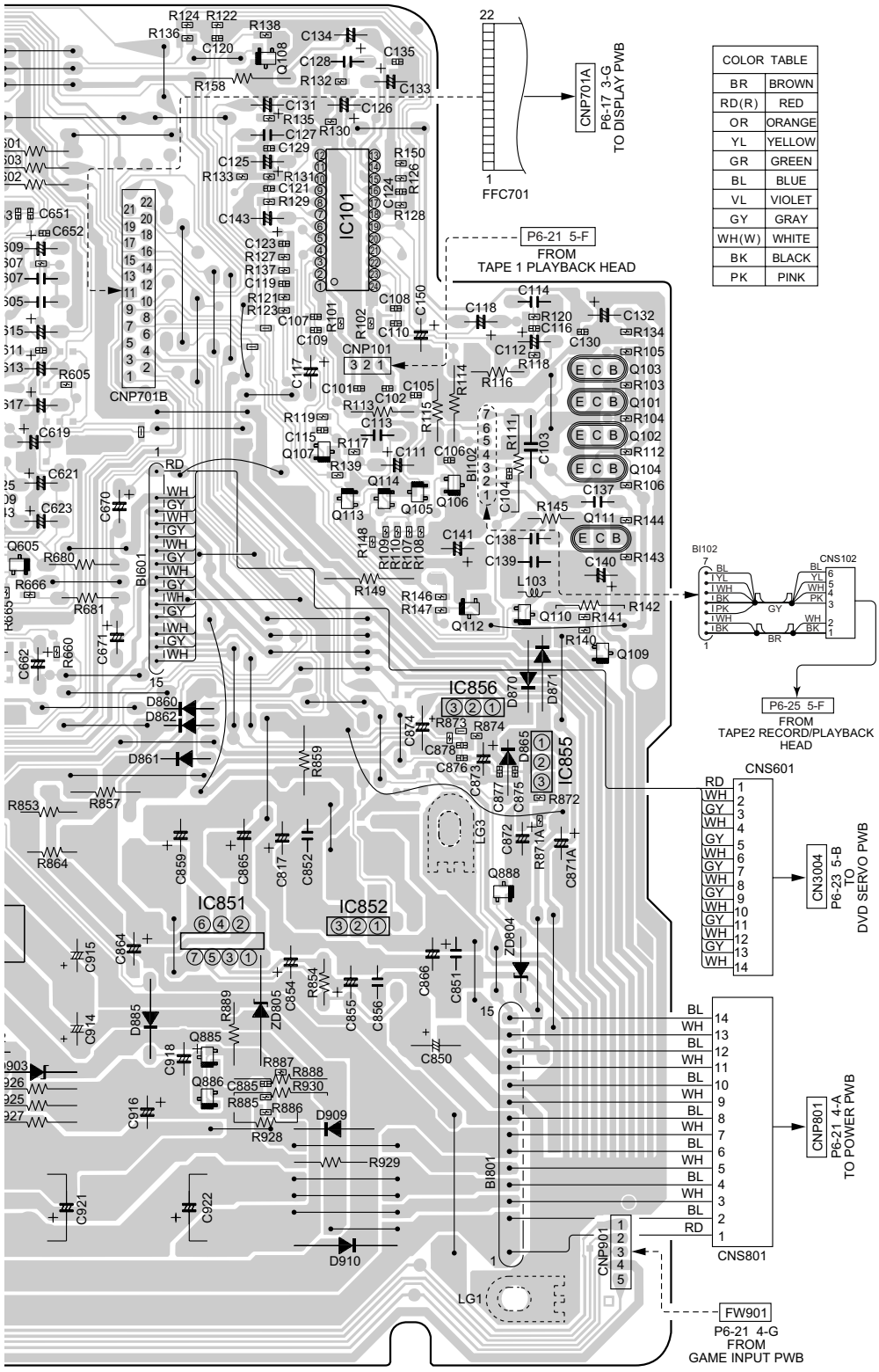
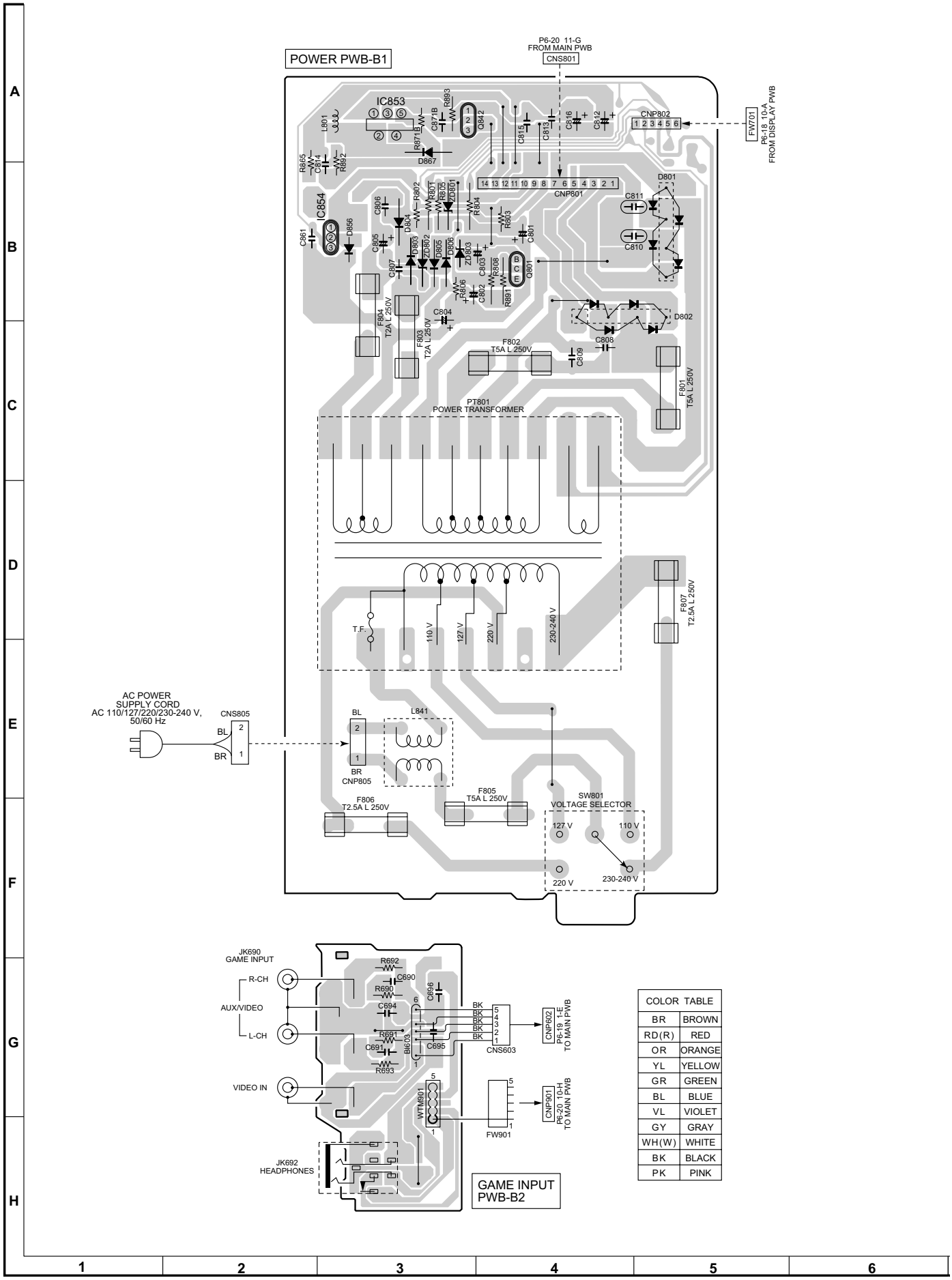


Figure 6-19 WIRING SIDE OF PWB (4/10)



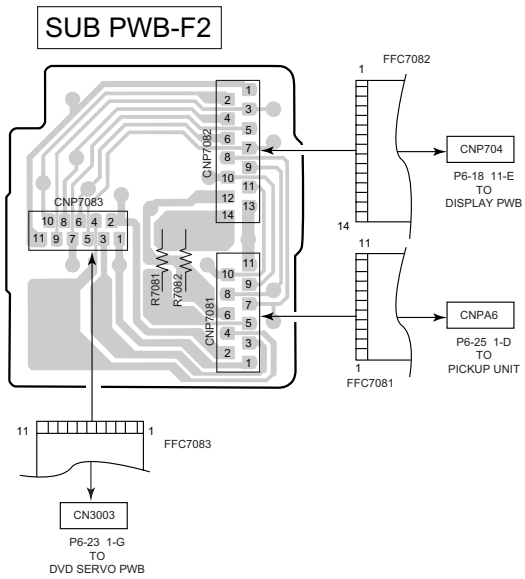
	7	8	9	10	11	12

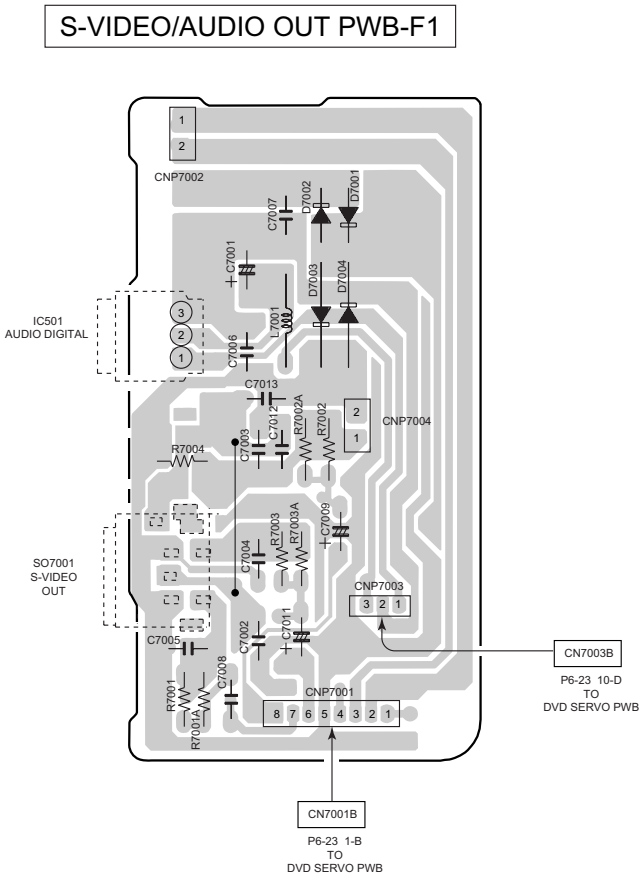
Figure 6-20 WIRING SIDE OF PWB (5/10)



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 6-21 WIRING SIDE OF PWB (6/10)





	7	8	9	10	11	12

Figure 6-22 WIRING SIDE OF PWB (7/10)

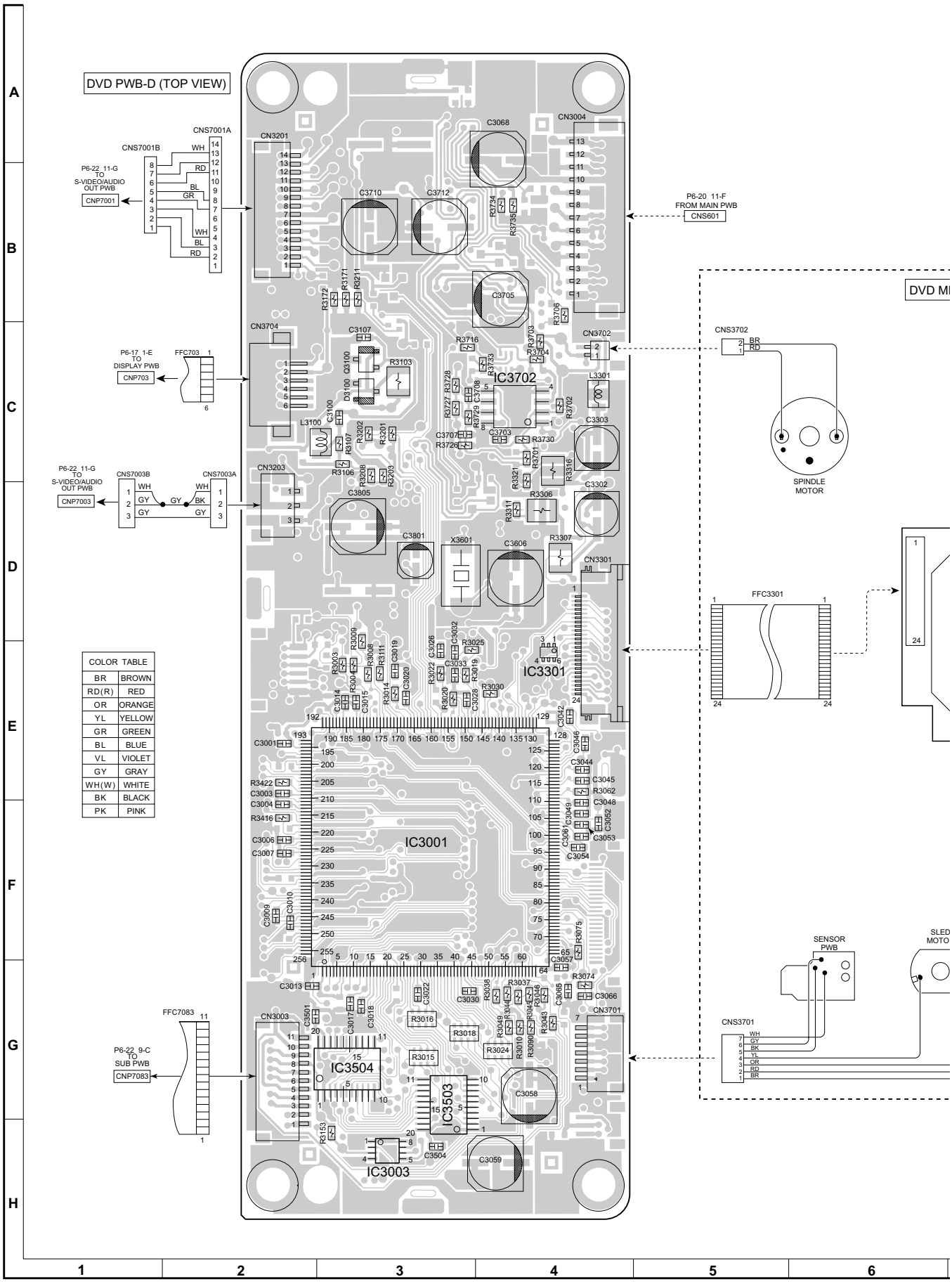
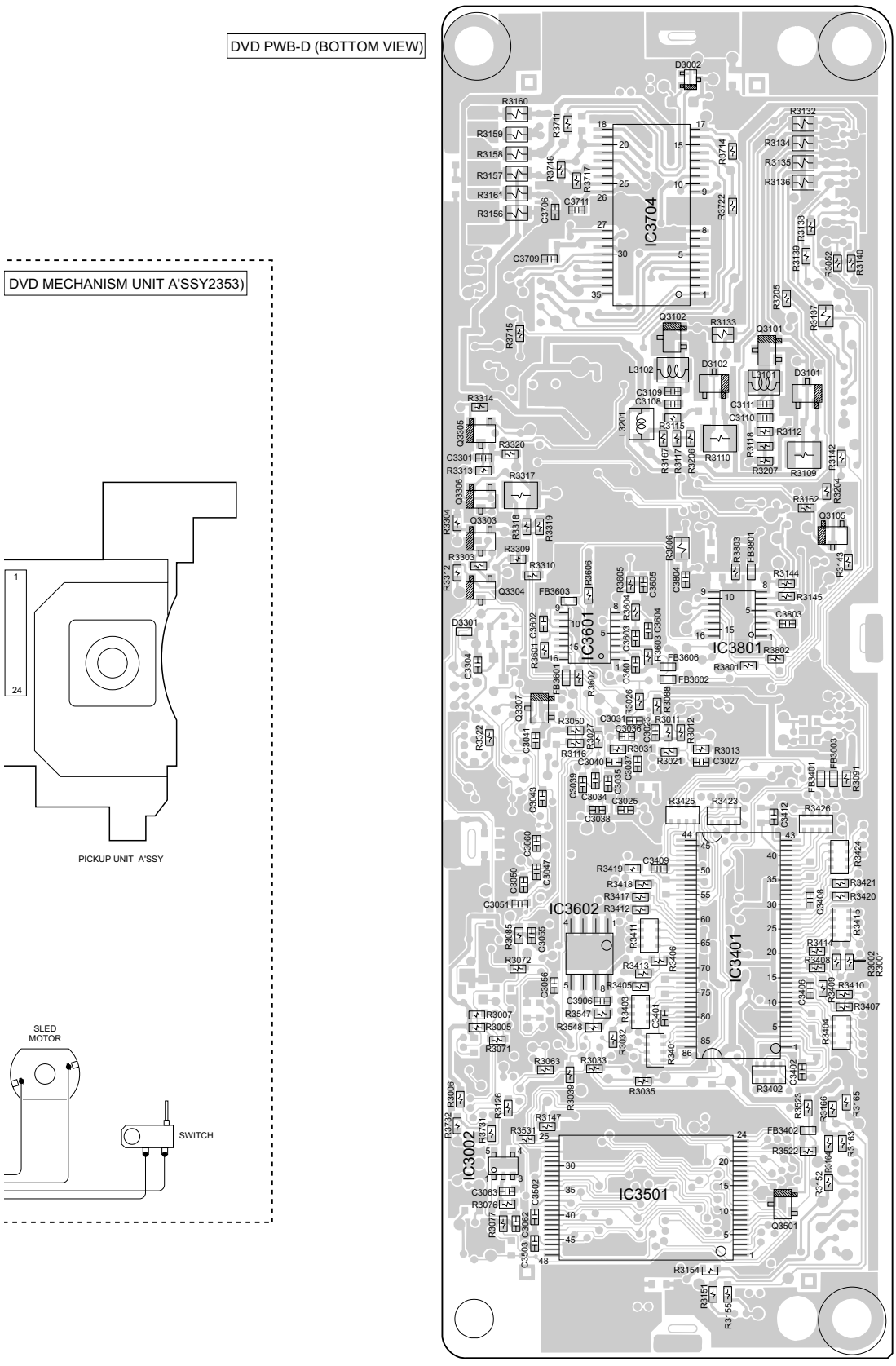


Figure 6-23 WIRING SIDE OF PWB (8/10)



	7	8	9	10	11	12

Figure 6-24 WIRING SIDE OF PWB (9/10)

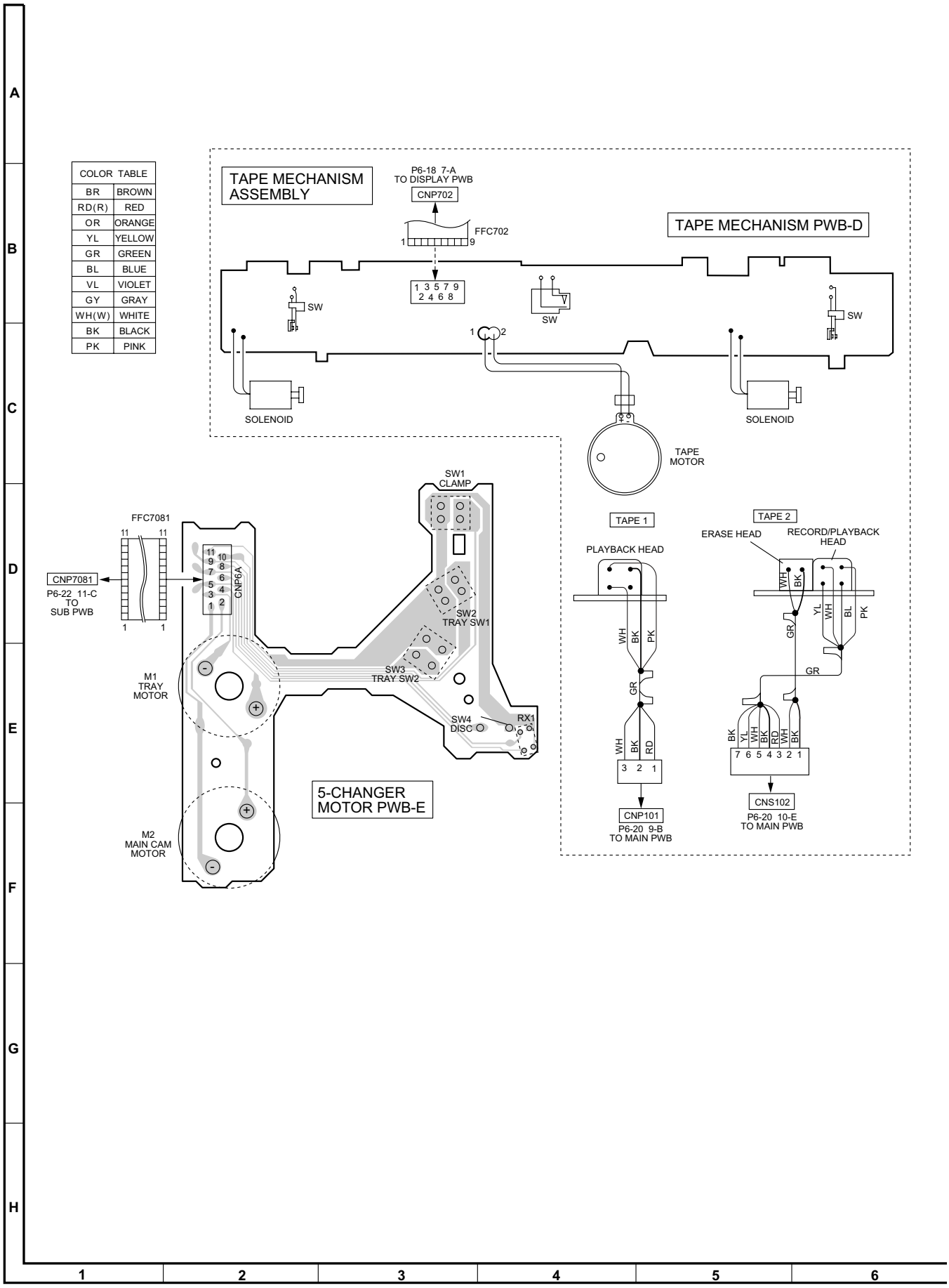


Figure 6-25 WIRING SIDE OF PWB (10/10)

CHAPTER 7. FLOWCHART

[1] Troubleshooting

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

"Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below."

Turn the power off.

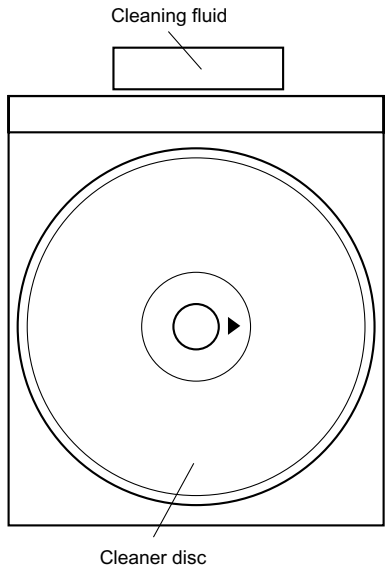
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down,then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it still play continuously, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
-

2. DVD section

• "No Disc" is displayed. (Focus error)

Does the objective lens move up and down after the disc is removed ? (Check the following items.)
- No → "No Disc" is displayed. Refer to "When the focus servo does not function".
- Yes ↓

Is signal input to pins 122 - 125 of IC3001 ?
- No → Check connection of optical pickup cables. If no abnormality is detected, replace optical pickup.
- Yes ↓

Is focus control signal output to pin 152 of IC3001 ?
- No → Check circuits around the power supply for pin 149 of IC3001. If no abnormality is detected, replace IC3001.
- Yes ↓

Is focus control signal output from pin 152 of IC3001 to pin 23 of IC3704 ?
- No → Check focus control signal line between IC3001 and IC3704.
- Yes ↓

Is focus control drive voltage output from pins 1 and 28 of IC3704 ?
- No → Is voltage of 8 V applied to pin 22 of IC3704 ?
  - No → Check M8V line.
  - Yes ↓ Check that pin 16 of IC3704 is "H" and replace IC3704. If pin 16 of IC3704 is "L", check pin 73 of IC3001.
- Yes ↓

Is focus control drive voltage applied to the focus actuator terminal ?
- No → Check line between IC3704 and focus actuator terminal. Check CN3301.
- Yes ↓

Check connection of optical pickup cables. If no abnormality is detected, replace the traverse chassis.

• "No Disc" is displayed during DVD playback (when CD is playable) ... When DVD laser does not light up.

Is control signal output from pin 133 of IC3001 ?
- No → Check and replace IC3001.
- Yes ↓

Is voltage of 5 V applied to emitter of Q3306 ?
- No → Check S5V line.
- Yes ↓

Is voltage of approx. 2 V supplied to pin 2 of CN3301 ?
- No → Check around Q3305 and Q3306.
- Yes ↓

Check connection of optical pickup cables. If no abnormality is detected, replace traverse chassis.

Note: The laser diode is easily damaged by static electricity. Carefully check static electricity and electric leak of the measuring instrument.

• "No Disc" is displayed during CD playback (when DVD is playable) ... When CD laser does not light up.

Is control signal output from pin 135 of IC3001 ?
No → Check and replace IC3001.
↓ Yes

Is voltage of 5 V applied to the emitter of Q3304 ?
No → Check S5V line.
↓ Yes

Is voltage of approx. 2 V supplied to pin 6 of CN3301 ?
No → Check around Q3303 and Q3304.
↓ Yes

Check connection of optical pickup cables.
If no abnormality is detected, replace traverse chassis.

Note: The laser diode is easily damaged by static electricity. Carefully check static electricity and electric leak of the measuring instrument.

• Both video and audio do not operate normally.

Put a disc on the DISC tray.
↓ Yes

Disc normally loaded?
No → Check loading switch.
↓ Yes

Is RF signal level output from pin 17 of CN3301 normal ?
No → Is objective lens of optical pickups clean?
Yes → (return)
↓ Yes

Replace main PWB.
No → Replace traverse chassis.
↓ Yes

Refer to "Video is not output normally" and "Audio is not output normally".

• Video is not output normally.

Put a disc on the DISC tray.

↓ Yes

Is video signal input to each pin of IC3201 as shown below ?

IC3201 2 pin S-C
IC3201 6 pin S-Y
IC3201 10 pin Py
IC3201 12 pin Pb
IC3201 14 pin Pr

No → Check the main unit. (Circuits around IC3001 and IC3201.)

↓ Yes

Video signals input to each pin of IC3201 as shown below ?

IC3201 26 pin S-C
IC3201 23 pin COMP
IC3201 21 pin S-Y
IC3201 20 pin Py
IC3201 18 pin Pb
IC3201 16 pin Pr

No → Is voltage of approx. 5 V supplied to pins 1 and 28 of IC3201 ?

↓ Yes

Do V-MUTE line for pins 3 and 13 of IC3201 reach “H” level ?

↓ Yes

Replace IC3201.

↓ No

Check V-MUTE line.

Is voltage of approx. 5 V supplied to pins 1 and 28 of IC3201 ?

↑ No

Check S5V line.

↓ Yes

Is video signal output to each pin of main unit connector CNP601 as shown below?

CNP601 1 pin V
CNP601 2 pin S-C
CNP601 3 pin S-Y
CNP601 5 pin Pr
CNP601 6 pin Pb
CNP601 7 pin Py

No → Check between CN3201 and CNP601.

↓ Yes

Is each video signal output to the specified output terminal ?

Is combined video signal output to VIDEO OUT terminal (JK601) ?	No →	Check line from pin 1 of CNP601 to VIDEO OUT terminal (JK601) and VIDEO OUT terminal (JK601).
Is brightness signal output to S-OUT terminal (SO602) ?	No →	Check line from pin 3 of CNP601 to S-OUT terminal (SO602) and S-OUT terminal (SO602).
Is chrominance signal output to S-OUT terminal (SO602) ?	No →	Check line from pin 2 of CNP601 to S-OUT terminal (SO602) and S-OUT terminal (SO602).
Is brightness signal output to pin 1 of D terminal (SO601) ?	No →	Check line from pin 7 of CNP601 to pin 1 of D terminal (SO601) and the D terminal (SO601).
Is chrominance difference signal (Pb) output to pin 3 of D terminal (SO601) ?	No →	Check line from pin 6 of CNP601 to pin 3 of D terminal (SO601) and D terminal (SO601).
Is chrominance difference signal (Pr) output to pin 5 of D terminal (SO601) ?	No →	Check line from pin 5 of CNP601 to pin 5 of D terminal (SO601) and D terminal (SO601).

• Audio is not output normally.

Put a disc on the DISC tray.

↓ Yes

Is audio signal output to each pin of main unit connector CN4002 ?

CN4002 1 pin LOUT
CN4002 3 pin ROUT

No → Check main unit. (Circuits around IC4101.)

↓ Yes

Is audio signal output to each pin of IC413?

IC413 11 pin LIN1
IC413 12 pin RIN1

No → Check line from CNP401 to each pin of IC413.

↓ Yes

Is audio signal output to each terminal of IC413?

IC413 54 pin L-OUT
IC413 47 pin R-OUT

No → Check circuits around IC413 or replace IC413.

CHAPTER 8. OTHERS

[1] Function table of IC

IC3001 RH-iXA464WJZZ: DVD Decoder LSI (IXA464WJ) (1/5)

Pin No.	Terminal Name	Input/Output	Function
1	VDD33	Input	IO power supply.
2	MDQ11	Input/Output	SDRAM data 11.
3	MDQ3	Input/Output	SDRAM data 3.
4	VSS	—	GND.
5	MDQ12	Input/Output	SDRAM data 12.
6	MDQ2	Input/Output	SDRAM data 2.
7	VDD33	Input	IO power supply.
8	MDQ13	Input/Output	SDRAM data 13.
9	MDQ1	Input/Output	SDRAM data 1.
10	MDQ14	Input/Output	SDRAM data 14.
11	VSS	—	GND.
12	MDQ0	Input/Output	SDRAM data 0.
13	MDQ15	Input/Output	SDRAM data 15.
14	VDD33	Input	IO power supply.
15	VDD15	Input	Internal logic power supply.
16	VSS	—	GND.
17	EXADR20	Input/Output	External memory address 20/General purpose port 20.
18	NEXWE	Output	External memory write enable.
19	EXADT0	Input/Output	External memory address data 0.
20	EXADT4	Input/Output	External memory address data 4.
21	EXADT8	Input/Output	External memory address data 8.
22	EXADT12	Input/Output	External memory address data 12.
23	VDD33	Input	IO power supply.
24	VSS	—	GND.
25	EXADR16	Input/Output	External memory address 16/General purpose port 16.
26	EXADR18	Input/Output	External memory address 18/General purpose port 18.
27	EXADT14	Input/Output	External memory address data 14.
28	EXADT10	Input/Output	External memory address data 10.
29	VDD33	Input	IO power supply.
30	VSS	—	GND.
31	EXADT6	Input/Output	External memory address data 6.
32	EXADT2	Input/Output	External memory address data 2.
33	NEXCE	Output	External memory chip selection.
34	EXADT1	Input/Output	External memory address data 1.
35	EXADT5	Input/Output	External memory address data 5.
36	EAXADT9	Input/Output	External memory address data 9.
37	EXADT13	Input/Output	External memory address data 13.
38	EXADR17	Input/Output	External memory address 17/General purpose port 17.
39	EXADR19	Input/Output	External memory address 19/General purpose port 19.
40	EXADT15	Input/Output	External memory address data 15.
41	EXADT11	Input/Output	External memory address data 11.
42	VDD33	Input	IO power supply.
43	VSS	—	GND.
44	EXADT7	Input/Output	External memory address data 7.
45	EXADT3	Input/Output	External memory address data 3.
46	NEXOE	Output	External memory output (read) enable.
47	P15	Input/Output	General purpose port/Chip selection/External memory address 21/Stream enable input/Remote control reception/External interruption 3.
48	P14	Input/Output	General purpose port/Serial 3 sending complete flag.
49	P13	Input/Output	General purpose port/Serial 3 reception start flag.
50	P12	Input/Output	General purpose port/Serial 3 clock.
51	P11	Input/Output	General purpose port/Serial 3 output data.
52	P10	Input/Output	General purpose port/Serial 3 input data.
53	P9	Input/Output	General purpose port/Serial 2 clock.
54	P8	Input/Output	General purpose port/Serial 2 output data.
55	P7	Input/Output	General purpose port/Serial 2 input data.
56	VDD33	Input	IO power supply.
57	MMOD	Input	Test mode setting.
58	VSS	—	GND.

IC3001 RH-iXA464WJZZ: DVD Decoder LSI (IXA464WJ) (2/5)

Pin No.	Terminal Name	Input/Output	Function
59	P6	Input/Output	General purpose port/Serial 1 clock/16-bit timer external count source B.
60	P5	Input/Output	General purpose port/Serial 1 output data/16-bit timer external count source A/External interruption 2.
61	P4	Input/Output	General purpose port/Serial 1 input data/External interruption 1/Remote control reception.
62	P3	Input/Output	General purpose port/Serial 0 clock/External interruption 0.
63	P2	Input/Output	General purpose port/Serial 0 output data/8-bit timer external count source 1.
64*	P1	Input/Output	General purpose port/Serial 0 input data/8-bit timer external count source 0.
65	P0	Input/Output	General purpose port/Stream valid output.
66	FG	Input	Motor FG.
67	VDD15	Input	Internal logic power supply.
68	NRST	Input	Master reset.
69	VSS	—	GND.
70	DRV0	Input/Output	Servo general purpose port 0.
71	DRV1	Input/Output	Servo general purpose port 1.
72	DRV2	Input/Output	Servo general purpose port 2.
73	DRV3	Input/Output	Servo general purpose port 3.
74	DRV4	Input/Output	Servo general purpose port 4.
75	DRV5	Input/Output	Servo general purpose port 5.
76	DRV6	Input/Output	Servo general purpose port 6.
77	DRV7	Input/Output	Servo general purpose port 7.
78*	DRV8	Input/Output	Servo general purpose port 8.
79	VDD33	Input	IO power supply.
80	VSS	—	GND.
81	SCLOCK	Input/Output	Input clock for debug/General purpose port 21/Stream sector header output.
82*	EXTRG0	Input/Output	Input and output trigger 0 for debug/External memory data 15/General purpose port 27/Mode setting data.
83	SDATA	Input/Output	Input and output data for debug/General purpose port 22/Stream error indicator output.
84*	EXTRG1	Input/Output	Input and output trigger 1 for debug/External memory data 14/General purpose port 28/Mode setting clock.
85*	TRCCLK	Input/Output	Output trace clock for debug/External memory data 13/General purpose port 29.
86*	TRCDATA0	Input/Output	Input and output trace data 0 for debug/External memory data 12/General purpose port 23.
87*	TRCDATA1	Input/Output	Input and output trace data 1 for debug/External memory data 11/General purpose port 24.
88*	TRCDATA2	Input/Output	Input and output trace data 2 for debug/External memory data 10/General purpose port 25.
89*	TRCDATA3	Input/Output	Input and output trace data 3 for debug/External memory data 9/General purpose port 26.
90*	TRCST	Input/Output	Input and output trace status for debug/External memory data 8/General purpose port 30.
91	VDD33	Input	IO power supply.
92	OSCI	Input	Front-end section clock input.
93	VSS	—	GND.
94	MONI7	Input/Output	Internal monitor 7/External memory data 7/General purpose port 38/Digital video output 7.
95	MONI6	Input/Output	Internal monitor 6/External memory data 6/General purpose port 37/Digital video output 6.
96	MONI5	Input/Output	Internal monitor 5/External memory data 5/General purpose port 36/Digital video output 5.
97	MONI4	Input/Output	Internal monitor 4/External memory data 4/General purpose port 35/Digital video output 4.
98	VDD15	Input	Internal logic power supply.
99	VSS	—	GND.
100*	MONI3	Input/Output	Internal monitor 3/External memory data 3/General purpose port 34/Digital video output 3.
101*	MONI2	Input/Output	Internal monitor 2/External memory data 2/General purpose port 33/Digital video output 2.
102*	MONI1	Input/Output	Internal monitor 1/External memory data 1/General purpose port 32/Digital video output 1/ Stream error indicator output.
103*	MONI0	Input/Output	Internal monitor 0/External memory data 0/General purpose port 31/Digital video output 0/ Stream sector header output.
104	AVDDD	Input	Analog power supply.
105	PLFIL1	Output	DRCVCO capacitance connection.
106	AVSSD	—	Analog GND.
107	PLFIL2	Output	DRCVCO capacitance connection.
108	VREFA	Output	DRC reference power supply capacitance connection.
109	VREFB	Output	DRC reference power supply capacitance connection.
110	VREFC	Output	DRC reference power supply capacitance connection.
111	VC0	Input	gm-cEQ external capacitance connection.
112	RESI	Input	gm-cEQ external capacitance connection.
113*	ANAMONI	Output	Internal analog monitor 0.
114	POFLT	Output	DPDOFTR capacitance connection.
115	CDATA	Output	INLINE DATA capacitance connection.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3001 RH-iXA464WJZZ: DVD Decoder LSI (IXA464WJ) (3/5)

Pin No.	Terminal Name	Input/Output	Function
116	CCAPA	Output	INLINE CAPA capacitance connection.
117	CGD	Output	BGR reference voltage capacitance connection.
118	AVDDC	Input	Analog power supply.
119	AVSSC	—	Analog GND.
120	RFINN	Input	RF input -.
121	RFINP	Input	RF input +.
122	VIN5	Input	CD head input.
123	VIN6	Input	CD head input.
124	VIN7	Input	DVD head input.
125	VIN8	Input	DVD head input.
126	VIN1	Input	DVD head input.
127	VIN2	Input	DVD head input.
128	VIN3	Input	DVD head input.
129	VIN4	Input	DVD head input.
130	VIN9	Input	CD head input.
131	VIN10	Input	CD head input.
132	LPC1	Input	DVD LPC input.
133	LPCO1	Output	DVD LPC output.
134	LPC2	Input	CD LPC input.
135	LPCO2	Output	CD LPC output.
136	VREFH	Output	Reference voltage 2.20 [V] output.
137	VHALF	Output	Reference voltage 1.65 [V] output.
138	AVSSB	—	Analog GND.
139	CTKC	Output	TEO capacitance connection.
140	CSLFLT	Input	CPDET capacitance connection.
141	CWBLOUT	Input	DC cut capacitance connection for wobble.
142	CWBLIN	Input	DC cut capacitance connection for wobble.
143	VCOF	Input	JFVCO control voltage.
144	RV1	Input	Resistance connection for VREFH reference current.
145	AVDDB	Input	Analog power supply.
146	AD2	Input	General purpose AD input.
147	AD1	Input	General purpose AD input/Internal analog monitor.
148	AD0	Input	General purpose AD input.
149	AVDDA	Input	Analog power supply.
150	DAC1	Output	Tracking drive output.
151	AVSSA	—	Analog GND.
152	DAC0	Output	Focus drive output.
153	AVDDE	Input	Analog power supply.
154	IREF1	Input	Resistance for setting internal DAC bias current.
155	AVSSE	—	Analog GND.
156	COMP1	Input	Internal DAC stabilization capacitance.
157	AVDDF	Input	Analog power supply.
158	DAC1OUT	Output	Y (brightness)/G (green) analog signals.
159	AVSSF	—	Analog GND.
160	DAC2OUT	Output	Cb (color difference)/B (blue) analog signals.
161	DAC3OUT	Output	Cr (color difference)/R (red) analog signals.
162	VREF	Input	Internal DAC reference voltage.
163	DAC4OUT	Output	Y (brightness)/Comp (composite) analog signals.
164	DAC5OUT	Output	C (color) analog signal.
165	AVDDG	Input	Analog power supply.
166	IREF2	Output	Resistance for setting internal DAC bias current.
167	AVSSG	—	Analog GND.
168	COMP2	Input	Internal DAC stabilization capacitance.
169	VSS	—	GND.
170	BECLK	Input	Back-end section clock input.
171	VDD33	Input	IO power supply.
172	EXTCK	Input	External audio clock/Stream clock output.
173*	PHCOMPO	Output	Audio clock phase difference/Stream data output 7.
174	LRCK	Output	LR channel clock/Stream data output 6.
175	SRCK	Output	Bit clock/Stream data output 5
176*	ADOUT3	Output	Audio down mix/Stream data output 4.
177	VSS	—	GND.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3001 RH-iXA464WJZZ: DVD Decoder LSI (IXA464WJ) (4/5)

Pin No.	Terminal Name	Input/Output	Function
178*	ADOUT2	Output	Audio data/Internal monitor 11/Stream data output 3.
179*	ADOUT1	Output	Audio data/Internal monitor 10/Stream data output 2.
180	ADOUT0	Output	Audio data/Internal monitor 9/Stream data output 1.
181	IECOUT	Output	IEC958 digital audio out/Internal monitor 8/Stream data output 0.
182	VDD33	Input	IO power supply.
183	VSS	—	GND.
184	MDQ24	Input/Output	SDRAM data 24.
185	MDQ23	Input/Output	SDRAM data 23.
186	VDD15	Input	Internal logic power supply.
187	MDQ22	Input/Output	SDRAM data 22.
188	MDQ25	Input/Output	SDRAM data 25.
189	VDD33	Input	IO power supply.
190	MDQ26	Input/Output	SDRAM data 26.
191	MDQ21	Input/Output	SDRAM data 21.
192	MDQ27	Input/Output	SDRAM data 27.
193	MDQ20	Input/Output	SDRAM data 20.
194	VSS	—	GND.
195	VDD33	Input	IO power supply.
196	MDQ28	Input/Output	SDRAM data 28.
197	MDQ19	Input/Output	SDRAM data 19.
198	VSS	—	GND.
199	MDQ29	Input/Output	SDRAM data 29.
200	MDQ18	Input/Output	SDRAM data 18.
201	MDQ30	Input/Output	SDRAM data 30.
202	VDD33	Input	IO power supply.
203	MDQ17	Input/Output	SDRAM data 17.
204	MDQ31	Input/Output	SDRAM data 31.
205	MDQ16	Input/Output	SDRAM data 16.
206	VSS	—	GND.
207	DQM3	Output	SDRAM data mask 3.
208	DQM2	Output	SDRAM data mask 2.
209	VDD33	Input	IO power supply.
210	MA3	Output	SDRAM address 3.
211	VSS	—	GND.
212	MA4	Output	SDRAM address 4.
213	VDD15	Input	Internal logic power supply.
214	MA2	Output	SDRAM address 2.
215	VSS	—	GND.
216	MA5	Output	SDRAM address 5.
217	MA1	Output	SDRAM address 1.
218	VDD33	Input	IO power supply.
219	MA6	Output	SDRAM address 6.
220	MA0	Output	SDRAM address 0.
221	VSS	—	GND.
222	VDD15	Input	Internal logic power supply.
223	MCKI	Input	SDRAM output clock.
224	VSS	—	GND.
225	MCK	Output	SDRAM input clock.
226	VDD33	Input	IO power supply.
227	MA7	Output	SDRAM address 7.
228	MA10	Output	SDRAM address 10.
229	MA8	Output	SDRAM address 8.
230	VSS	—	GND.
231	MA11	Output	SDRAM address 11.
232	NWE	Output	SDRAM write enable.
233	VDD33	Input	IO power supply.
234	BA0	Output	SDRAM bank address 0.
235	MA9	Output	SDRAM address 9.
236	VSS	—	GND.
237	BA1	Output	SDRAM bank address 1.
238	NCSM	Output	SDRAM chip selection.
239	NRAS	Output	SDRAM row address strobe.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3001 RH-iXA464WJZZ: DVD Decoder LSI (IXA464WJ) (5/5)

Pin No.	Terminal Name	Input/Output	Function
240	VDD33	Input	IO power supply.
241	VSS	—	GND.
242	NCAS	Output	SDRAM column address strobe.
243	DQM0	Output	SDRAM data mask 0.
244	VDD15	Input	Internal logic power supply.
245	VSS	—	GND.
246	DQM1	Output	SDRAM data mask 1.
247	MDQ7	Input/Output	SDRAM data 7.
248	VSS	—	GND.
249	MDQ8	Input/Output	SDRAM data 8.
250	VDD33	Input	IO power supply.
251	MDQ6	Input/Output	SDRAM data 6.
252	MDQ9	Input/Output	SDRAM data 9.
253	MDQ5	Input/Output	SDRAM data 5.
254	VSS	—	GND.
255	MDQ10	Input/Output	SDRAM data 10.
256	MDQ4	Input/Output	SDRAM data 4.

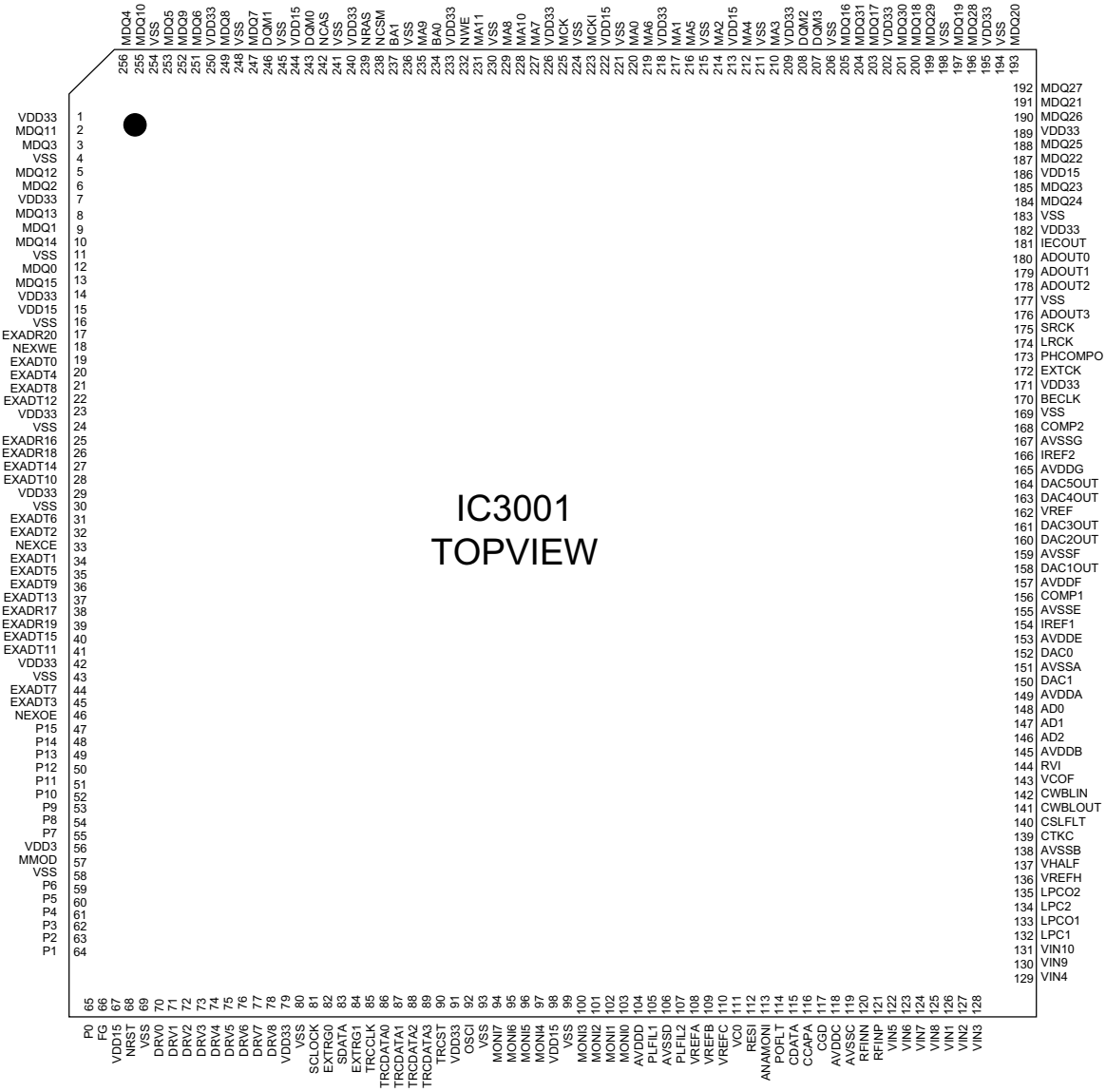


Figure 8-6 BLOCK DIAGRAM OF IC

IC3401 RH-iX0614AWZZ: 64M S-DRAM (IX0614AW) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	VDD	Input	Power supply for internal circuits and the input buffer.
2	DQ0	Input/Output	Multi data input/output pin.
3	VDDQ	Input	Power supply for the output buffer.
4, 5	DQ1, DQ2	Input/Output	Multi data input/output pin.
6	VSSQ	—	GND.
7, 8	DQ3, DQ4	Input/Output	Multi data input/output pin.
9	VDDQ	Input	Power supply for the output buffer.
10, 11	DQ5, DQ6	Input/Output	Multi data input/output pin.
12	VSSQ	—	GND.
13	DQ7	Input/Output	Multi data input/output pin.
14*	N.C.	—	Not used.
15	VDD	Input	Power supply for internal circuits and the input buffer.
16	DQM0	Input/Output	Controls output buffer during read mode and masks input data during write mode.
17	WE	—	RAS, CAS and WE define operations.
18	CAS	—	RAS, CAS and WE define operations.
19	RAS	—	RAS, CAS and WE define operations.
20	CS	Input	All inputs except for CLK, CKE and DQM are enabled or disabled.
21	N.C.	—	Not used.
22, 23	BA0, BA1	—	The bank to be operated during RAS operation is selected. The bank to read and write during CAS operation is selected.
24-27	A0-A2	—	Line address: RA0-RA10; Column address: CA0-CA7 Auto precharge flag: A10
28	DQM2	Input/Output	Controls output buffer during read mode and masks input data during write mode.
29	VDD	Input	Power supply for internal circuits and the input buffer.
30*	N.C.	—	Not used.
31	DQ16	Input/Output	Multi data input/output pin.
32	VSSQ	—	GND.
33, 34	DQ17, DQ18	Input/Output	Multi data input/output pin.
35	VDDQ	Input	Power source for the output buffer.
36, 37	DQ19, DQ20	Input/Output	Multi data input/output pin.
38	VSSQ	—	GND.
39, 40	DQ21, DQ22	Input/Output	Multi data input/output pin.
41	VDDQ	Input	Power source for the output buffer.
42	DQ23	Input/Output	Multi data input/output pin.
43	VDD	Input	Power supply for internal circuits and the input buffer.
44	VSS	—	GND.
45	DQ24	Input/Output	Multi data input/output pin.
46	VSSQ	—	GND.
47, 48	DQ25, DQ26	Input/Output	Multi data input/output pin.
49	VDDQ	Input	Power source for the output buffer.
50, 51	DQ27, DQ28	Input/Output	Multi data input/output pin.
52	VSSQ	—	GND.
53, 54	DQ29, DQ30	Input/Output	Multi data input/output pin.
55	VDDQ	Input	Power source for the output buffer.
56	DQ31	Input/Output	Multi data input/output pin.
57*	N.C.	—	Not used.
58	VSS	—	GND.
59	DQM3	Input/Output	Controls output buffer during read mode and masks input data during write mode.
60-66	A3-A9	—	Line address: RA0-RA10; Column address: CA0-CA7 Auto precharge flag: A10
67	CKE	Input	Controls internal clock signal. When the terminal is not operated, SDRAM is in either mode of Power Down, Suspend, or Self-refresh.
68	CLK	Input	System clock input. All other input is registered in SDRAM of CLK rise.
69*, 70*	N.C.	—	Not used.
71	DQM1	Input/Output	Controls the output buffer during read mode and masks input data during write mode.
72	VSS	—	GND.
73*	N.C.	—	Not used.
74	DQ8	Input/Output	Multi data input/output pin.
75	VDDQ	Input	Power source for the output buffer.
76, 77	DQ9, DQ10	Input/Output	Multi data input/output pin.
78	VSSQ	—	GND.
79, 80	DQ11, DQ12	Input/Output	Multi data input/output pin.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3401 RH-iX0614AWZZ: 64M S-DRAM (IX0614AW) (2/2)

Pin No.	Terminal Name	Input/Output	Function
81	VDDQ	Input	Power supply for the output buffer.
82, 83	DQ13, DQ14	Input/Output	Multi data input/output pin.
84	VSSQ	—	GND.
85	DQ15	Input/Output	Multi data input/output pin.
86	VSS	—	GND.

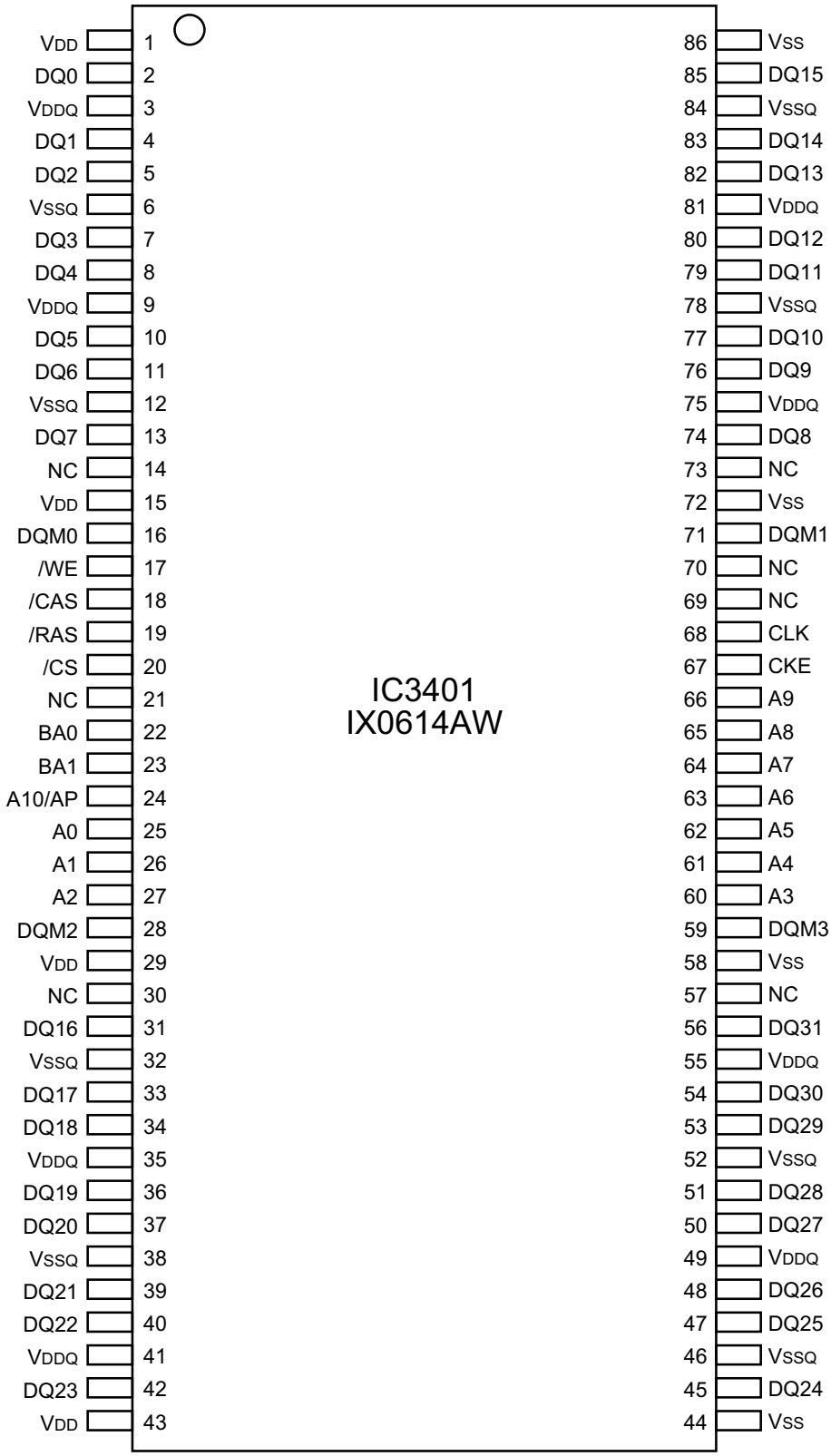


Figure 8-7 BLOCK DIAGRAM OF IC

IC3501 RH-iXA173WJZZ: Flash ROM (IXA173WJ) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1-9	A15-A8, A19	Input	Memory address input: Address input for writing and reading. Addresses are latched internally during a write cycle. A1: least significant address input in byte mode (BYTE# = VIL), data input/output DQ15 in the word mode (BYTE# = VIH) A15- A19: main block selection address A12- A19: boot/parameter block selection address
10	N.C.	—	No connection: Not connected internally. (can also be connected)
11	WE#	Input	Write enable: Writing to the CUI and array block is controlled. Activated when WE# = VIL. Addresses and data are latched on the rising edge of WE# pulse.
12	RP#	Input	Reset: It is activated and automatically reset internally when RP# = VIL. The device operates normally when RP# = VIH. When RP# = VIL, writing is prohibited and data is protected. After recovering from the reset mode, the device enters the array readout status. Make sure to set VIL when turning on the power.
13	VCCW	Input	Block erase, full chip erase, word/byte write and lock bit configuration power supply: Memory data is not changed when VCCW ≦ VCCWLK. Operations with improper voltage may cause malfunction or breakage. When VCCW voltage is 12 ± 0.3 V, data can be rewritten up to 1,000 times per block. When applying 12 ± 0.3 V to VCCW pin, total application time must be no longer than 80 hours.
14	WP#	Input	Write protect: When WP# = VIL, the boot block is protected from writing and erasing. Even when WP# = VIH, writing and erasing are prohibited if the block lock bit is set. For the parameter/main block, writing and erasing are controlled by the block lock bit status regardless of WP#.
15*	RY/BY#	Output	Ready/Busy: The status of the internal Write State Machine (WSM) is sent. When VIL is supplied, WSM is working (block erase, full chip erase, word/byte write, and lock bit configuration). When RY/BY# = HighZ, WSM is waiting for the next command; word/byte write is not executed with block erase suspended; word/byte write is suspended; or WSM is in the reset mode.
16, 17	A18, A17	Input	Memory address input: Address input for writing and reading. Addresses are latched internally during a write cycle. A1: least significant address input in byte mode (BYTE# = VIL), data input/output DQ15 in the word mode (BYTE# = VIH) A15- A19: main block selection address A12- A19: boot/parameter block selection address
19-25	A7-A0	Input	Memory address input: Address input for writing and reading. Addresses are latched internally during a write cycle. A1: least significant address input in byte mode (BYTE# = VIL), data input/output DQ15 in the word mode (BYTE# = VIH) A15- A19: main block selection address A12- A19: boot/parameter block selection address
26	CE#	Input	Chip enable: Control logic, input buffer decoder, sense amplifier of the device are activated when CE# = VIL. When CE# = VIH, the device is not selected and power consumption is reduced to the stand-by level.
27	GND	—	Ground: Connect all the ground pins.
28	OE#	Input	Output enable: Device output is controlled during a read cycle. Activated when OE# = VIL.
29, 30	DQ0, DQ8	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
31, 32	DQ1, DQ9	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
33, 34	DQ2, DQ10	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
35, 36	DQ3, DQ11	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
37	VCC	Input	Device power supply: When VCC? VLKO, the flash memory is protected from writing. Improper VCC voltage may cause malfunction.
38, 39	DQ4, DQ12	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC3501 RH-iXA173WJZZ: Flash ROM (IXA173WJ) (2/2)

Pin No.	Terminal Name	Input/Output	Function
40, 41	DQ5, DQ13	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
42, 43	DQ6, DQ14	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
44, 45	DQ7, DQ15	Input/Output	Data input/output: Data/command input, memory array, and status register during a Command User Interface (CUI) write cycle. Data output during an ID code read cycle. When a chip is not selected or output is disabled, the pin goes to the floating state. Data is latched internally in a write cycle. In the byte mode, DQ8 - DQ15 are not used and DQ15 becomes address input (A-1).
46	GND	—	Ground: Connect all the ground pins.
47	BYTE#	Input	Byte enable: When BYTE# = VIL, the device enters the byte mode (x8). At this time, DQ8 - 14 pins go into HighZ state and DQ15/A-1 becomes least significant address input (A-1). When BYTE# = VIH, the device goes into the word mode (x16) and DQ15/A-1 pin becomes data input/output DQ15.
48	A16	Input	Memory address input: Address input for reading and writing. Addresses are latched internally during a write cycle. A1: least significant address input in byte mode (BYTE# = VIL), data input/output DQ15 in the word mode (BYTE# = VIH) A15- A19: main block selection address A12- A19: boot/parameter block selection address

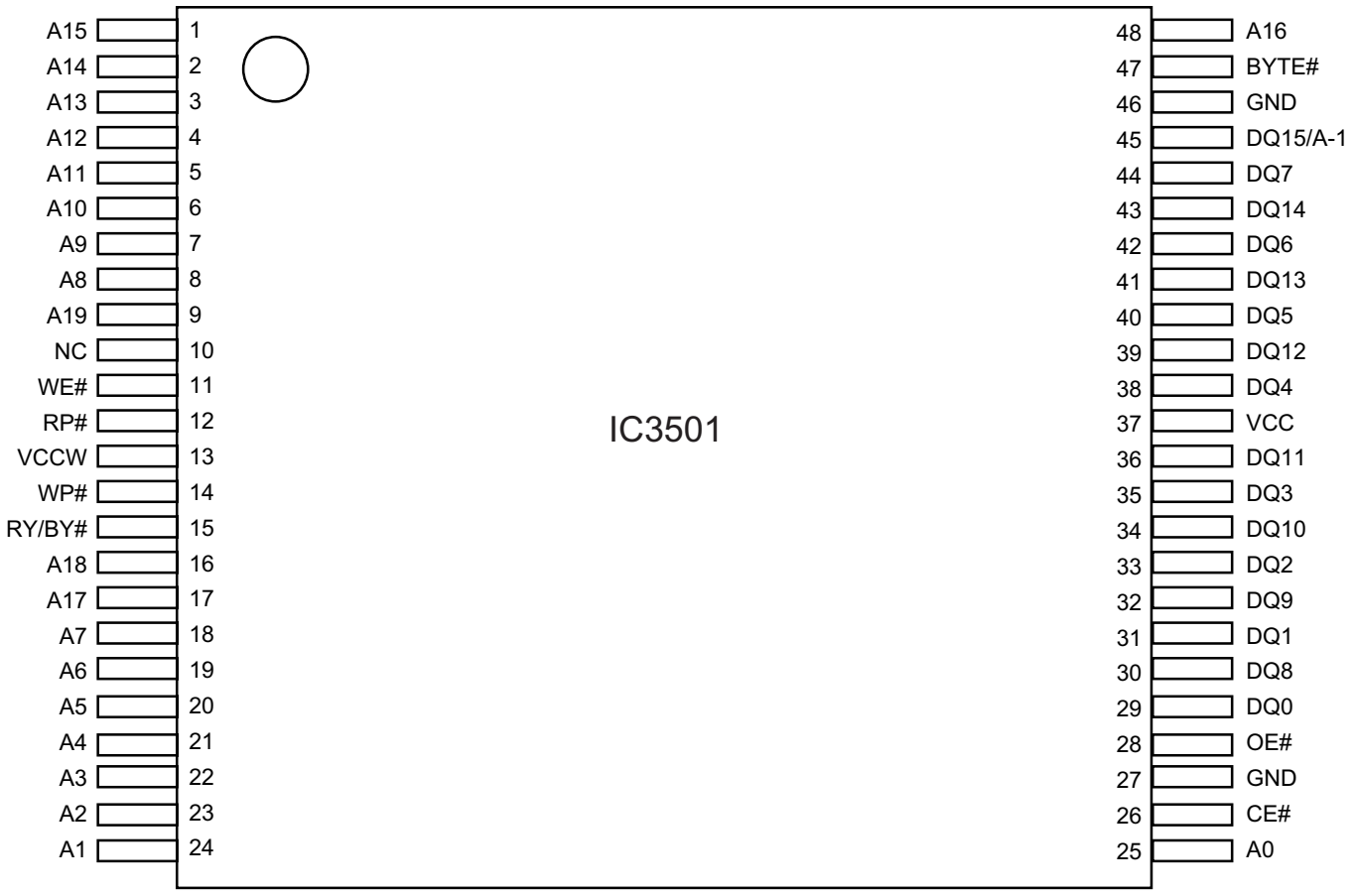


Figure 8-9 BLOCK DIAGRAM OF IC

IC601 VHiLC75341/-1: Audio Processor (LC75341)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of "H" to "L". Each analog switch is activated. Data transfer enabled at "H" level.
3	VSS	Ground pin.
4	LOUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
5	LBASS	Bass band filter comprising capacitor and resistor connection pin.
6	LTRE	Treble band filter comprising capacitor and resistor connection pin.
7	LIN	Volume + equalizer output pin.
8	LSEL0	Input selector output pin.
9-12	L4-1	Input signal pin.
13-16	R1-4	Input signal pin.
17	RSEL0	Input selector output pin.
18	RIN	Volume + equalizer output pin
19	RTRE	Treble band filter comprising capacitor and resistor connection pin.
20	RBASS	Bass band filter comprising capacitor and resistor connection pin.
21	ROUT	Bass band filter comprising capacitor and resistor connection pin and bass/ treble output pin.
22	VREF	0.5x VDD voltage generation block for analog ground. Capacitor of several 10µF to be connected between VREF and AWSS (VSS) as a countermeasure against power ripple.
23	VDD	Supply pin
24	CLK	Serial data and clock input pin for control.

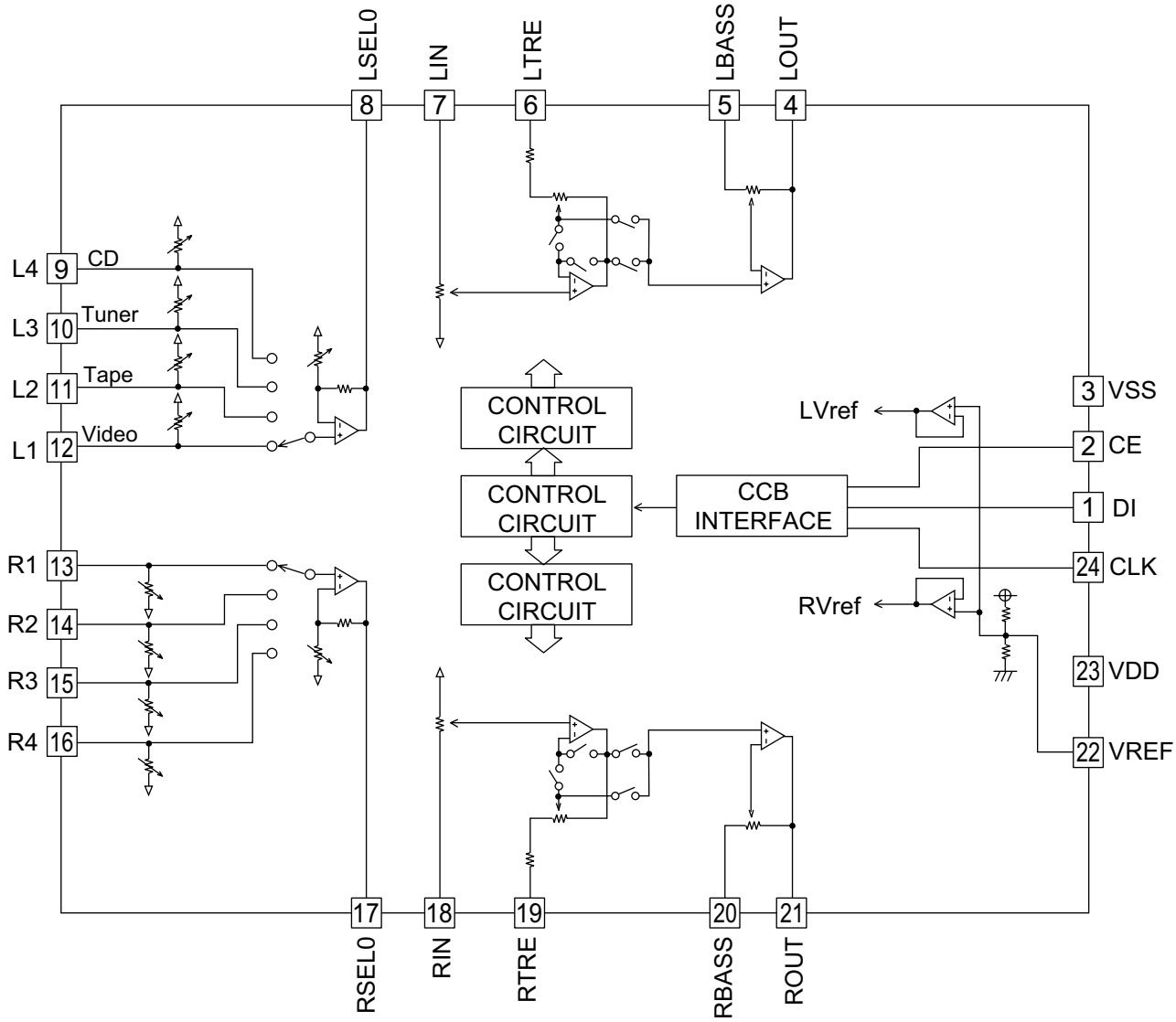


Figure 8-10 BLOCK DIAGRAM OF IC

IC701 RH-iXA004AWZZ: System Microcomputer (IXA004AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	VDD	VDD	—	Power supply 5V.
2	P37	-20dBATT	Output	-20dB Attenuator. H: Attenuator ON.
3	P36/BUZ	T_BIAS	Output	Tape record bias control. H: Bias circuit ON.
4	P35/PCL	T_REC/PLAY	Output	Tape RECORD/PLAY control. H: Play, L: Record
5	P34/TI2	T_T1/T2	Output	
6	P33/TI1	RXD_CNT-IN	Output	H: DVD ROM WRITE MODE. L: OTHER (SET H B4 P_ON).
7	P32/TO2	DVD_RESET	Output	DVD Reset. L: Reset.
8	P31/TO1	VOL_JOG1	Input	VOLUME JOG INPUT 1.
9	P30/TO0	VOL_JOG2	Input	VOLUME JOG INPUT 2.
10	RESET	RESET	Input	System Micom Reset Input. L: Reset.
11	X2	XOUT	—	Main clock output 4.19MHz.
12	X1	XIN	Input	Main clock input 4.19MHz.
13	IC(VPP)	VPP	—	Connect to GND
14*	XT2	NO USE	—	Open
15	P04/XT1	DVD A MUTE	Input	DVD Analog mute input. L: Mute ON.
16	VDD	VDD	—	Power supply 5V.
17	P27/SCK0	CLK	Output	TUNER/Vol clock.
18	P26/SO0/SB1	DI	Output	TUNER/Vol command.
19	P25/SI0/SB0	DO	Input	Tuner data input.
20	P24/BUSY	CE	Output	Tuner/Vol chip enable.
21	P23/STB	DVD_CS	Output	DVD Comm. Start req. L: Other function.
22	P22/SCK1	DVD_CLK	Input	DVD Clock input. Serial 32byte.
23	P21/SO1	SYS_DATA	Output	DVD Data output. L: Other function.
24	P20/SI1	DVD_DATA	Input	DVD Data input. Serial 32byte.
25	AVSS	AVSS	—	A/D Analog GND.
26	P17/ANI7	T_RUN PULS	Input	Tape Run Pulse input.
27	P16/ANI6	TUN_SM(SPAN)	Input	Tuner signal meter input (H). (Tuner span selector --W)
28	P15/ANI5	T_FP SW	Input	Tape Fool Proof A & B SW.
29	P14/ANI4	PROTECT	Input	Power abnormal detect.
30	P13/ANI3	DVD+B PRT	Input	DVD +B Protect detect.
31-33	P12-P10/ANI2-ANI0	KEY 2-KEY 0	Input	Key input.
34	AVDD	AVDD	—	A/D power supply 5V.
35	AVREF	AVREF	—	A/D reference voltage 5V.
36	P03/INTP3	P_IN	Input	Power failure detect. (A/C Signal)
37	P02/INTP2	PHOTO	Input	CD Mecha motor a rotation.
38	P01/INTP1	SP_DET	Input	SP abnormal detect. L: PROTECT
39	P00/INTP0/TI0	REMOCON	Input	Remocon decoder input.
40	VSS	VSS	—	Ground.
41	P74	S_MUTE	Output	System mute control. H: Mute ON.
42	P73	TIMER LED	Output	Timer LED control.
43	P72	T_SOL B	Output	Tape 2 solenoid control. L: Solenoid on.
44	P71	T_MOTOR	Output	Tape motor control. L: Motor on.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA004AWZZ: System Microcomputer (IXA004AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
45	P70	T_SOL A	Output	Tape 1 solenoid control. L: Solenoid on.
46	VDD	VDD	—	Power supply 5V.
47	P127/FIP52	SP_RLY	Output	SP relay control. H: Relay ON.
48*	P126/FIP51	AC_RLY	Output	AC relay control. H: Relay ON.
49*	P125/FIP50	RDS_RST	Output	RDS RAM reset.
50*	P124/FIP49	RDS_READY	Input	RDS ready.
51*	P123/FIP48	RDS_RDDA	Input	RDS data input.
52*	P122/FIP47	RDS_RDCL	Output	RDS clock.
53	P121/FIP46	TRAY SW2	Input	CD Mecha Tray SW2.
54	P120/FIP45	TRAY SW1	Input	CD Mecha Tray SW1.
55	P117/FIP44	DISC SW	Input	CD Mecha Disc SW.
56	P116/FIP43	CLAMP SW	Input	CD Mecha Clamp SW.
57	P115/FIP42	DIST	Input	Destination input.
58	P114/FIP41	ILLU_LED	Output	FL edge light control. H: LED ON.
59	P113/FIP40	MIC_SW	Input	Mic switch input. (W only)
60	P112/FIP39	KARA_LATCH	Output	Karaoke latch. (W only)
61	P111/FIP38	FUNC_DVD	Output	DVD Unit power control. L: ON (DVD/CD func only).
62	P110/FIP37	MOT B-	Output	Tray motor (-). (V only)
63	P107/FIP36	MOT B+	Output	Tray motor (+). (V only)
64	P106/FIP35	MOT A-	Output	CAM motor (-). (V only)
65	P105/FIP34	MOT A+	Output	CAM motor (+). (V only)
66*	P104/FIP33	MONSTER	Output	Monster LED control. H: Monster ON only.
67	P103/FIP32	DISC TYPE	Output	Disc type monitor out. L:DVD Disc.
68	P102/FIP31	MO_SPEED	Output	Mot B speed control. H: High speed
69	P101/FIP30	S20(DIST 0)	Output	FL segment driver. (Destination output)
70	P100/FIP29	S19(DIST1)	Output	FL segment driver. (Destination output)
71	P97/FIP28	S18(DIST2)	Output	FL segment driver. (Destination output)
72	P96/FIP27	S17(DIST3)	Output	FL segment driver. (Destination output)
73-78	FIP26-FIP21	P95-P90/S16-S11	Output	FL segment driver.
79	VLOAD	VLOAD	—	VLOAD -35V
80-87	P87-80/FIP20-FIP13	S10-S3	Output	FL segment driver.
88	FIP12	S2	Output	FL segment driver.
89	FIP11	S1	Output	FL grid driver.
90-100	FIP10-FIP0	G11-G1	Output	FL grid driver.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA004AWZZ: System Microcomputer (IXA004AW)

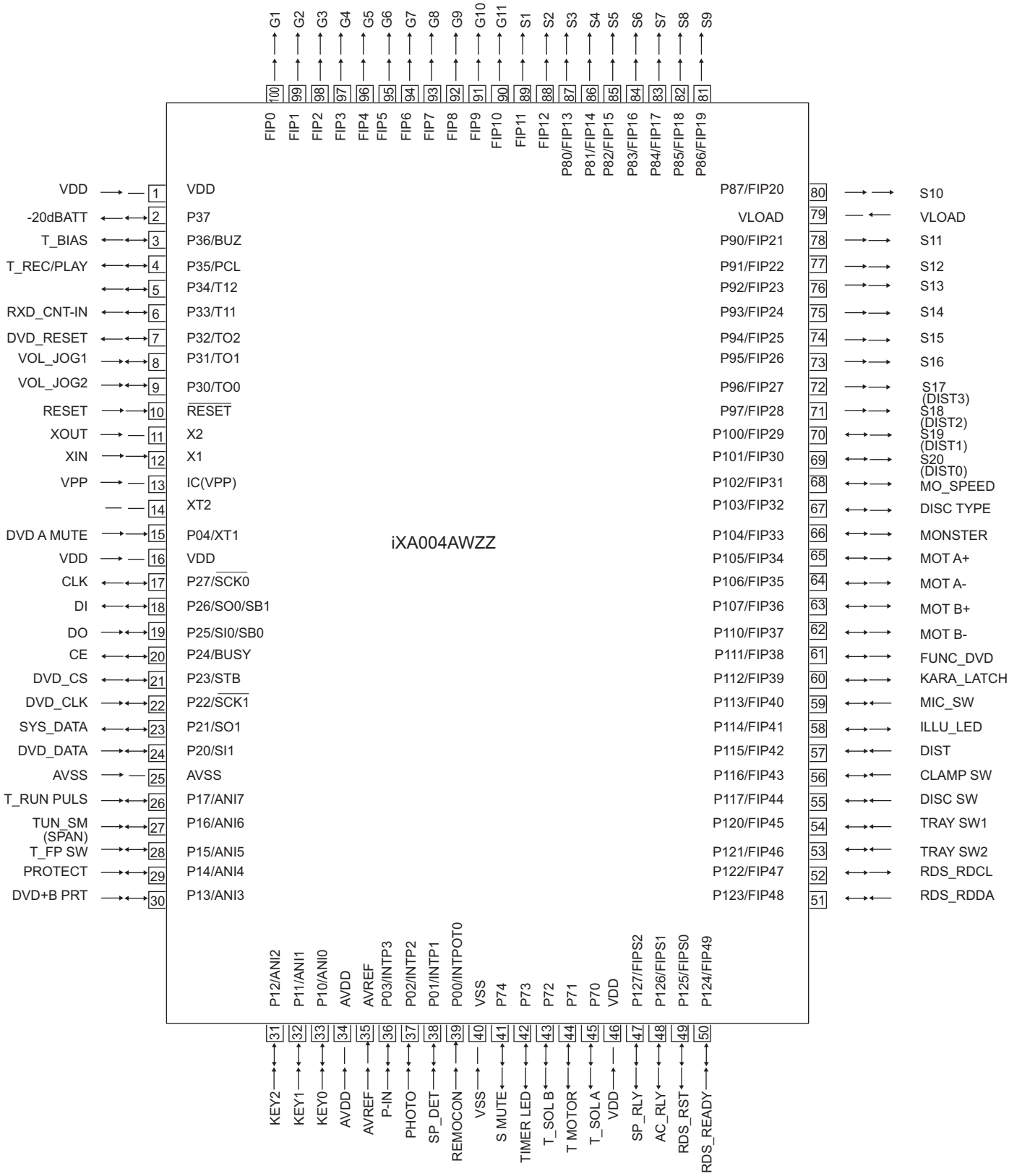


Figure 8-13 BLOCK DIAGRAM OF IC

IC851 VHIAN80T53/-1: Multi Regulator (AN80T53)

Pin No.	Terminal Name	Function
1	REG4 Output	5.1 V power supply with a minimum peak out current of 1200 mA.
2	REG3 Output	13 V power supply with a minimum peak out current of 1350 mA.
3	VCC	Connected to Power supplies.
4	GND	Connected to the IC substrate.
5	MODE 1	REG1, REG2,REG3 and REG4 outputs are turned ON when this pin is 5 V.
6	REG2 Output	10 V power supply with a minimum peak out current of 800 mA.
7	REG1 Output	8.5 V power supply with a minimum peak out current of 700 mA.

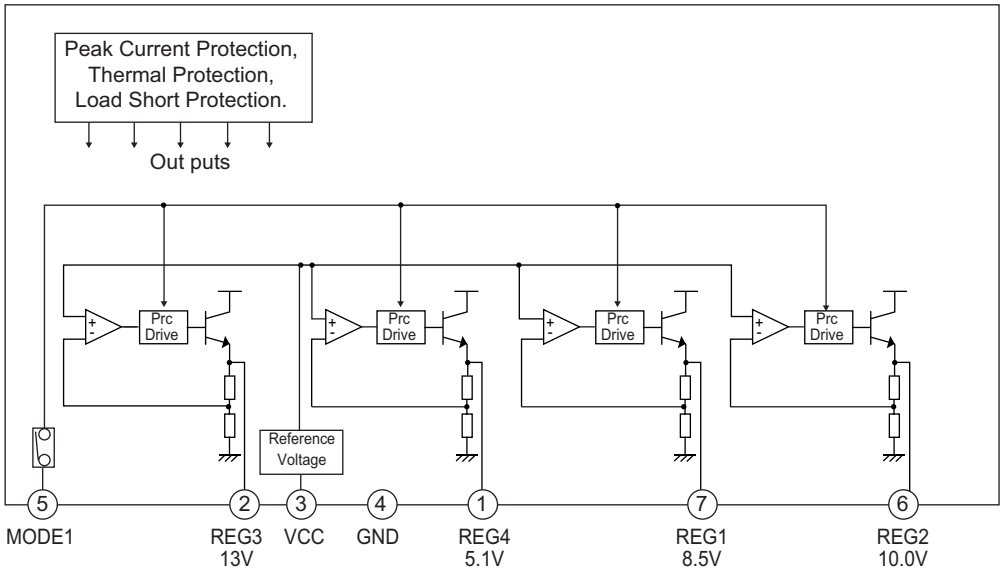


Figure 8-14 BLOCK DIAGRAM OF IC

ICK1 VHiM65856SP-1: Mic Amp. (M65856SP) (1/2)

Pin No.	Port Name	Input/Output	Function
1	MIC SW	Input	Microphone SWL: MIC OFF, H: MIC ON.
2	MCLKC ONT	—	Clock Control. Controls built-in clock generation circuit with external R.
3	VALCL	—	ALC operating voltage setting terminal. To set ALC operating voltage according to applied voltage.
4	MIC1 IN	Input	Microphone 1 input. To connect MIC 1.
5	ALC1	—	ALC1 control. To connect ALC1 attack/recovery time setting capacitor.
6	MIC1NF IN	Input	Microphone 1 negative feedback input. To connect low cut-off frequency of MIC 1 amplifier setting capacitor.
7	MIC1 OUT	Output	Microphone 1 output.
8	MIC1 VOL IN	Input	Microphone 1 volume input. To connect capacitor to reduce noise generated at time of volume change.
9	MIC2 IN	Input	Microphone 2 input. To connect MIC 2.
10	ALC2	—	ALC2 control. To connect ALC 2 attack/recovery time setting capacitor.
11	MIC2 NF IN	Input	Microphone 2 negative feedback input. To connect low cut-off frequency of MIC 2 amplifier setting capacitor.
12	MIC2 OUT	Output	Microphone 2 output.
13	MIC2 VOL IN	Input	Microphone 2 volume input. To connect capacitor to reduce noise generated at time of volume change.
14	MICOUT	Output	Microphone output. Mixing output of MIC 1 and MIC 2.
15	LPF1 IN1	Input	Low pass filter 1 input 1. Pre-filter before A/D converter for digital delay.
16	LPF1 IN2	Input	Low pass filter 1 input 2. Pre-filter before A/D converter for digital delay.
17	LPF1 OUT	Output	Low pass filter 1 output. Pre-filter before A/D converter for digital delay.
18	AD INTOUT	Output	A/D integrator output. Composes D/A conversion integrator with external capacitor.
19	AD INTIN	Input	A/D integrator input. Composes D/A conversion integrator with external capacitor.
20	ADCONT	—	A/D control. To determine adaptive time constant of A/D converter with ADM system.
21	REF	—	Reference power output. To connect 1/2 Vcc output and filter capacitor.
22	GND	—	Ground.
23	VCC	Input	Power supply.
24	DACONT	—	D/A control. To determine adaptive time constant of D/A converter with ADM system.s
25	DAINTIN	Input	D/A Integrator input. Composes D/A conversion integrator with external capacitor.
26	DAINTOUT	Output	D/A Integrator output. Composes D/A conversion integrator with external capacitor.

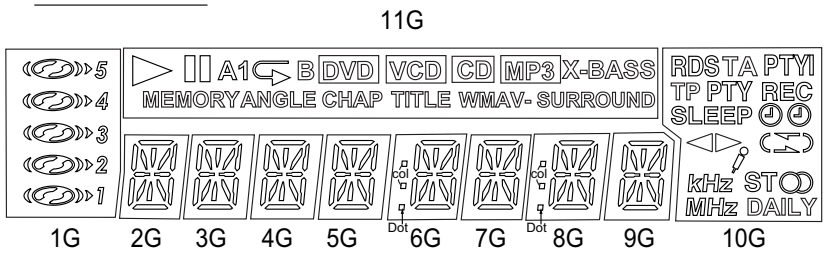
ICK1 VHiM65856SP-1: Mic Amp. (M65856SP) (2/2)

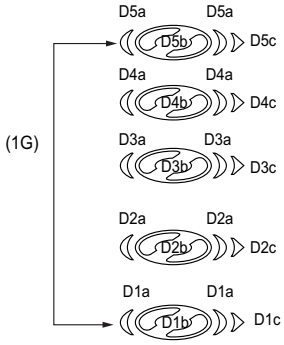
Pin No.	Port Name	Input/Output	Function
27	LPF2IN1	Input	Low pass filter 2 input 1. Post-filter after D/A converter for digital delay.
28	LPF2IN2	Input	Low pass filter 2 input 2. Post-filter after D/A converter for digital delay.
29	LPF2OUT	Output	Low pass filter 2 output. Post-filter after D/A converter for digital delay.
30	VOLIN	Input	Echo effect/Echo feed back volume input. To connect capacitor to reduce noise generated at time of volume change.
31	L IN	Input	Lch line input.
32	R IN	Input	Rch line input.
33*	KEYCONIN	Input	Monaural input for external KEYCONTROL IC. Input/Output interface terminal for external KEY-CONTROL IC.
34*	SOURCEOUT	Output	Monaural input for external KEYCONTROL IC. Input/Output interface terminal for external KEY-CONTROL IC.
35	R OUT	Output	Rch mixing output.
36	L OUT	Output	Lch mixing output.
37	VCF IL	—	Vocal cut filter. Processes frequencies lower then the vocal band.
38*	PS1	Input	Phase shift input 1. Determines a constant at time of phase shift.
39*	PS2	Input	Phase shift input 2. Determines a constant at time of phase shift.
40	LATCH	Input	Latch input via serial bus.
41	CLOCK	Input	Clock input via serial bus.
42	DATA	Input	Data input via serial bus.

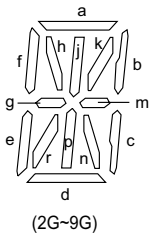
[2] FL Display

FL701: VVKNA11SS55-1

GRID ASSIGNMENT







ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	5					col		col		PTYI	DVD
P2	D5-a	a	a	a	a	a	a	a	a	(L)	VCD
P3	D5-b	b	b	b	b	b	b	b	b	TA	CD
P4	D5-c	k	k	k	k	k	k	k	k	TP	X-BASS
P5	4	j	j	j	j	j	j	j	j	RDS	MP3
P6	D4-a	h	h	h	h	h	h	h	h	RES	WMA
P7	D4-b	f	f	f	f	f	f	f	f	▷	V-
P8	D4-c	m	m	m	m	m	m	m	m	◁	SURROUND
P9	3	d	d	d	d	d	d	d	d	DAILY	TITLE
P10	D3-a	g	g	g	g	g	g	g	g	PTY	CHAP
P11	D3-b	p	p	p	p	p	p	p	p	)	ANGLE
P12	D3-c	e	e	e	e	e	e	e	e	(	↺
P13	2	n	n	n	n	n	n	n	n	MHz	A
P14	D2-a	r	r	r	r	r	r	r	r	↯	B
P15	D2-b	c	c	c	c	c	c	c	c	kHz	1
P16	D2-c					Dot		Dot		∞	MEMORY
P17	1									ST	
P18	D1-a									♪	
P19	D1-b									(R)	▷
P 20	D1-c									SLEEP	II

OUTER DIMENSIONS

PIN CONNECTION

PIN NO.	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27-22	21
CONNECTION	F2	F2	NP	NP	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	NX	P6

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P5	P4	P3	P2	P1	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1

—— **MEMO** ——

SHARP PARTS GUIDE

No. S6447CDDV777W

DVD MINI SYSTEM
MODEL CD-DV777W

CD-DV777W DVD Mini System consisting of CD-DV777W (main unit) and CP-DV777 (speaker system).

DVD MINI SYSTEM
MODEL CD-DV999W

CD-DV999W DVD Mini System consisting of CD-DV999W (main unit) and CP-DV999 (speaker system).

CONTENTS

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
IC101	VHIAN7345K/-1	AM			Playback and Record/Playback Amp.,AN7345K
IC301	VHITA7358AP-1	AG			FM Front End,TA7358AP
IC302	VHILC72131/-1	AP			PLL (Tuner),LC72131
IC303	VHILA1832S/-1	AN			FM IF Det./FM Mpx./AM IF,LA1832S
IC601	VHILC75341/-1	AM			Audio Processor,LC75341
IC602	VHINJM2533M-1	AF			Video Switch,NJM2533M
IC701	RH-IXA004AWZZ	AX			System Microcomputer,IXA004AW
IC851	VHIAN80T53/-1	AL			Multi Regulator,AN80T53
IC852	VHIKIA7808AP1	AF			Voltage Regulator,KIA7808AP
IC853	VHIBD9701T-V5	AM			1-ch DC-DC Converter,BD9701T
IC854	VHIAN78L05/-1	AE			Voltage Regulator,AN78L05
IC855	VHILD1117V33/	AG			3.3V Voltage Regulator,LD1117V33
IC856	VHILD1117V/-1	AG			1.5V Voltage Regulator,LD1117V
IC901	VHISTK41242-1	BB			Power Amp.,STK41242 [CD-DV777W]
IC901	VHISTK41244-1	BF			Power Amp.,STK41244 [CD-DV999W]
IC3001	RH-IXA464WJZZ	BS			DVD Decoder,IXA464WJ
IC3002	VHIBD4825G+-1	AD			Reset,BD4825G
IC3003	VHITC7WT126-1	AF			Buffer,TC7WT126
IC3301	VHI7SB3157P-1	AF			Analog Switch,7SB3157P
IC3401	RH-IX0614AWZZ	AZ			64M S-DRAM,IX0614AW
IC3501	RH-IXA173WJZZ	AZ			Flash ROM,IXA173WJ
IC3503	VHITCLV573T-1	AK			8-Bit Latch,TCLV573T
IC3504	VHITCLV573T-1	AK			8-Bit Latch,TCLV573T
IC3601	VHIBU2363FV-1	AP			Clock Generator,BU2363FV
IC3602	VHIBR24L04F-1	AF			EEPROM,BR24L04F
IC3702	VHINJM12904-1	AE			Ope Amp.,NJM12904
IC3704	VHILA6261//-1	AN			Focus/Tracking/Spin/Sled Driver,LA6261
IC3801	VHIPCM1748E-1	AP			D/A Converter,PCM1748E
ICK1	VHIM65856SP-1	AX			Mic Amp.,M65856SP
ICK2	VHIKIA4558P-1	AC			Ope Amp.,KIA4558P
[2] TRANSISTORS					
Q101	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q102	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q103	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q104	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q105	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q106	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q107	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q108	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q109	VSKTA1504Y/-1	AB			Silicon,PNP,KTA1504 Y
Q110	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q111	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q112	VSKTA1504Y/-1	AB			Silicon,PNP,KTA1504 Y
Q113	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q114	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q302	VSKTC3194Y/-1	AD			Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q601	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q602	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q603	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q604	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q605	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q606	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q661	VSKTC3265Y/-1	AC			Silicon,NPN,KTC3265 Y
Q706	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q707	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q708	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q709	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q710	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q711	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q712	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q713	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q714	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q715	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q716	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q717	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q801	VSKTA1274Y/-1	AE			Silicon,PNP,KTA1274 Y
Q842	VSKRC107M//-1	AC			Digital,NPN,KRC107 M
Q885	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q886	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q888	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q901	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q902	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q903	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q904	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q905	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q906	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q907	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q908	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q909	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q3100	VSKTA1298Y/-1	AC			Silicon,PNP,KTA1298 Y
Q3101	VSKTA1298Y/-1	AC			Silicon,PNP,KTA1298 Y
Q3102	VSKTA1298Y/-1	AC			Silicon,PNP,KTA1298 Y
Q3105	VSKRC104S//-1	AC			Digital,NPN,KRC104 S

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] TRANSISTORS					
Q3303	VS2SD601AR/-1	AC			Silicon,NPN,2SD601 AR
Q3304	VSKTA1298Y/-1	AC			Silicon,PNP,KTA1298 Y
Q3305	VS2SD601AR/-1	AC			Silicon,NPN,2SD601 AR
Q3306	VSKTA1298Y/-1	AC			Silicon,PNP,KTA1298 Y
Q3307	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q3501	VS2SB709AR+-1	AB			Silicon,PNP,2SB709 AR
QK1	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
[3] DIODES					
D301	VHDDS1SS133-1	AB			Silicon,DS1SS133
D302	VHDDS1SS133-1	AB			Silicon,DS1SS133
D305	VHDDS1SS133-1	AB			Silicon,DS1SS133
D690	VHDDS1SS133-1	AB			Silicon,DS1SS133
D691	VHDDS1SS133-1	AB			Silicon,DS1SS133
D701	VHDDS1SS133-1	AB			Silicon,DS1SS133
D709	VHDDS1SS133-1	AB			Silicon,DS1SS133
D710	VHDDS1SS133-1	AB			Silicon,DS1SS133
D711	VHDDS1SS133-1	AB			Silicon,DS1SS133
D712	VHDDS1SS133-1	AB			Silicon,DS1SS133
D713	VHDDS1SS133-1	AB			Silicon,DS1SS133
D714	VHDDS1SS133-1	AB			Silicon,DS1SS133
D715	VHDDS1SS133-1	AB			Silicon,DS1SS133
D716	VHDDS1SS133-1	AB			Silicon,DS1SS133
D801	VHDD10XB60F-1	AL			Silicon,D10XB60F
D802	VHDD10XB60F-1	AL			Silicon,D10XB60F
D803	VHD1N4004S/-1	AB			Silicon,1N4004S
D804	VHD1N4004S/-1	AB			Silicon,1N4004S
D805	VHD1N4004S/-1	AB			Silicon,1N4004S
D806	VHD1N4004S/-1	AB			Silicon,1N4004S
D856	VHDDS1SS133-1	AB			Silicon,DS1SS133
D860	VHDDS1SS133-1	AB			Silicon,DS1SS133
D861	VHDDS1SS133-1	AB			Silicon,DS1SS133
D862	VHDDS1SS133-1	AB			Silicon,DS1SS133
D865	VHDDS1SS133-1	AB			Silicon,DS1SS133
D867	VHDD2S4M124-1	AE			D2S4M
D870	VHDRL204F//-1	AC			Silicon,RL204F
D871	VHDRL204F//-1	AC			Silicon,RL204F
D885	VHDDS1SS133-1	AB			Silicon,DS1SS133
D905	VHDDS1SS133-1	AB			Silicon,DS1SS133
D906	VHDDS1SS133-1	AB			Silicon,DS1SS133
D907	VHDDS1SS133-1	AB			Silicon,DS1SS133
D909	VHD1N4004S/-1	AB			Silicon,1N4004S
D910	VHD1N4004S/-1	AB			Silicon,1N4004S
D911	VHDDS1SS133-1	AB			Silicon,DS1SS133
D912	VHDDS1SS133-1	AB			Silicon,DS1SS133
D913	VHDDS1SS133-1	AB			Silicon,DS1SS133
D914	VHDDS1SS133-1	AB			Silicon,DS1SS133
D3002	VHDMA111///-1	AC			Silicon,MA111
D3100	VHDKDS226//-1	AB			Silicon,KDS226
D3101	VHDKDS226//-1	AB			Silicon,KDS226
D3102	VHDKDS226//-1	AB			Silicon,KDS226
D3301	VHDDAP222//-1	AC			Silicon,DAP222
DK1	VHDDS1SS133-1	AB			Silicon,DS1SS133
DK2	VHDDS1SS133-1	AB			Silicon,DS1SS133
LED701	VHP304VT2H3-1	AC			LED,Red,304VT2H3
LED703	VHPSDPB50CD-1	AK			LED,Blue,SDPB50CD
ZD351	VHEDZ5R1BSB-1	AC			Zener,5.1V,DZ5.1BSB
ZD801	VHEDZ6R2BSA-1	AB			Zener,6.2V,DZ6.2BSA
ZD802	VHEDZ7R5BSB-1	AB			Zener,7.5V,DZ7.5BSB
ZD803	VHEDZ300BSB-1	AB			Zener,30V,DZ30BSB
ZD804	VHEDZ6R8BSB-1	AB			Zener,6.8V,DZ6.8BSB
ZD805	VHEDZ120BSB-1	AB			Zener,12V,DZ12BSB
ZD902	VHEDZ120BSB-1	AB			Zener,12V,DZ12BSB
ZD903	VHEDZ120BSB-1	AB			Zener,12V,DZ12BSB
ZDK1	VHEMTZJ5R6B-1	AD			Zener,5.6V,MTZJ5.6B
[4] FILTERS					
BF301	RFILR0008AWZZ	AE			Band Pass Filter
CF303	RFILF0124AFZZ	AD			FM IF,10.7 MHz
CF351	RFILF0003AWZZ	AK			FM IF
CF352	RFILA0009AWZZ	AE			AM IF
[5] TRANSFORMERS					
⚠ PT801	RTRNP0520AWZZ	BM			Power,Main [CD-DV999W]
⚠ PT801	RTRNP0524AWZZ	BG			Power,Main [CD-DV777W]
T301	RCILB0065AWZZ	AC			FM OSC.
T302	RCILI0017AWZZ	AB			FM IF
T303	RCILA0052AWZZ	AE			AM Antenna
T306	RCILB0067AWZZ	AD			AM OSC.
T351	RCILI0019AWZZ	AD			AM IF

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[6] COILS					
FB3003	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3401	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3402	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3601	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3602	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3603	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3606	RBLN-0061TAZZ	AB			Chip Ferrite Core
FB3801	RBLN-0061TAZZ	AB			Chip Ferrite Core
L103	VP-MK331K0000	AB			330 μ H,Choke
L312	RCILR0056AWZZ	AB			FM RF
L351	VP-DH101K0000	AB			100 μ H,Choke
L352	VP-DH101K0000	AB			100 μ H,Choke
L701	VP-DH101K0000	AB			100 μ H,Choke
L801	RCILZ0082AWZZ	AF			100 μ H
⚠ L841	RCILZ0022AWZZ	AG			Line Filter
L901	RCILZ0024AWZZ	AC			3 μ H,Choke
L902	RCILZ0024AWZZ	AC			3 μ H,Choke
L920	RCILZ0137AFZZ	AA			0.29 μ H
L921	RCILZ0137AFZZ	AA			0.29 μ H
L3100	VP-NM2R2M0000	AD			2.2 μ H
L3101	VP-NM2R2M0000	AD			2.2 μ H
L3102	VP-NM2R2M0000	AD			2.2 μ H
L3201	VP-NM4R7M0000	AC			4.7 μ H
L3301	VP-NM4R7M0000	AC			4.7 μ H
L7001	VP-DH100K0000	AB			10 μ H,Choke
R3606	RBLN-0061TAZZ	AB			Chip Ferrite Core
[7] VIBRATORS					
X351	92LCRSTL1425A	AF			Crystal,456 kHz
X352	RCRSP0019AWZZ	AF			Crystal,4.5 MHz
X3601	RCRSCA015WJZZ	AK			Crystal,36.864 MHz
XL701	RCRSP0003AWZZ	AH			Crystal,4.19 MHz
[8] CAPACITORS					
C101	VCKYCY1HB561K	AA			560 pF,50V
C102	VCKYCY1HB561K	AA			560 pF,50V
C103	VCKYBT1HB181K	AA			180 pF,50V
C104	VCCCCY1HH181J	AA			180 pF (CH),50V
C105	VCKYCY1HB152K	AA			0.0015 μ F,50V
C106	VCKYCY1HB152K	AA			0.0015 μ F,50V
C107	VCKYCY1HB331K	AA			330 pF,50V
C108	VCKYCY1HB331K	AA			330 pF,50V
C109	VCKYCY1HB331K	AA			330 pF,50V
C110	VCKYCY1HB331K	AA			330 pF,50V
C111	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C112	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C113	VCTYPA1EX393K	AA			0.039 μ F,25V
C114	VCTYPA1EX393K	AA			0.039 μ F,25V
C115	VCKYCY1HB561K	AA			560 pF,50V
C116	VCKYCY1HB561K	AA			560 pF,50V
C117	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C118	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C119	VCKYCY1HB222K	AA			0.0022 μ F,50V
C120	VCKYCY1HB222K	AA			0.0022 μ F,50V
C121	VCKYCY1EF223Z	AB			0.022 μ F,25V
C123	VCKYCY1HB271K	AA			270 pF,50V
C124	VCKYCY1HB271K	AA			270 pF,50V
C125	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C126	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C127	VCTYPA1CX223K	AA			0.022 μ F,16V
C128	VCTYPA1CX223K	AA			0.022 μ F,16V
C129	VCKYCY1HB332K	AA			0.0033 μ F,50V
C130	VCKYCY1HB332K	AA			0.0033 μ F,50V
C131	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C132	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C133	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C134	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C135	VCKYCY1EF223Z	AB			0.022 μ F,25V
C137	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C138	VCQPKA2AA822J	AA			0.0082 μ F,100V,Polypropylene
C139	VCQYKA1HM393K	AB			0.039 μ F,50V,Mylar
C140	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C141	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C143	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C150	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C302	VCKYCY1HB102K	AA			0.001 μ F,50V
C303	VCCCCY1HH100D	AA			10 pF (CH),50V
C304	VCKYCY1HB103K	AA			0.01 μ F,50V
C305	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C306	VCKYCY1EF223Z	AB			0.022 μ F,25V
C307	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C308	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C309	VCKYCY1HB102K	AA			0.001 μ F,50V
C310	VCCCCY1HH150J	AA			15 pF (CH),50V
C311	VCCCCY1HH180J	AA			18 pF (CH),50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C312	VCKYCY1EF223Z	AB			0.022 μ F,25V
C313	VCCCCY1HH220J	AA			22 pF (CH),50V
C315	VCKYCY1HB103K	AA			0.01 μ F,50V
C316	VCKYCY1EF223Z	AB			0.022 μ F,25V
C317	VCKYCY1HB102K	AA			0.001 μ F,50V
C318	VCKYBT1HB101K	AA			100 pF,50V
C320	VCKYBT1HB102K	AA			0.001 μ F,50V
C323	VCKYCY1EF223Z	AB			0.022 μ F,25V
C324	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C330	VCCCCY1HH150J	AA			15 pF (CH),50V
C331	VCKZPA1HF473Z	AA			0.047 μ F,50V
C332	VCKYCY1EF223Z	AB			0.022 μ F,25V
C334	VCCCCY1HH220J	AA			22 pF (CH),50V
C335	VCKYCY1HB561K	AA			560 pF,50V
C338	VCKYCY1HB102K	AA			0.001 μ F,50V
C342	VCKYCY1EF223Z	AB			0.022 μ F,25V
C347	VCKYCY1EF223Z	AB			0.022 μ F,25V
C350	VCKYCY1EF223Z	AB			0.022 μ F,25V
C351	VCKYCY1EF223Z	AB			0.022 μ F,25V
C352	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C353	VCKYCY1EF223Z	AB			0.022 μ F,25V
C354	VCKYCY1EF223Z	AB			0.022 μ F,25V
C355	VCCCCY1HH220J	AA			22 pF (CH),50V
C356	VCKYCY1HB102K	AA			0.001 μ F,50V
C357	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C358	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C361	VCKYCY1EF223Z	AB			0.022 μ F,25V
C362	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C363	VCKYCY1EF223Z	AB			0.022 μ F,25V
C364	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C365	VCTYPA1CX223K	AA			0.022 μ F,16V
C366	VCKYCY1HB102K	AA			0.001 μ F,50V
C367	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C368	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C369	VCCCCY1HH270J	AA			27 pF (CH),50V
C370	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C371	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C372	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C373	VCTYPA1CX153K	AA			0.015 μ F,16V
C374	VCTYPA1CX153K	AA			0.015 μ F,16V
C380	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C381	VCCCCY1HH120J	AA			12 pF (CH),50V
C382	VCCCCY1HH150J	AA			15 pF (CH),50V
C383	VCCSBT1HL470J	AA			47 pF,50V
C384	VCKYCY1HB102K	AA			0.001 μ F,50V
C385	VCKYCY1HB103K	AA			0.01 μ F,50V
C386	VCKYCY1HB331K	AA			330 pF,50V
C387	VCKYCY1EF223Z	AB			0.022 μ F,25V
C388	VCKYCY1HB102K	AA			0.001 μ F,50V
C389	VCKYBT1HB102K	AA			0.001 μ F,50V
C391	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C392	VCKYCY1HB102K	AA			0.001 μ F,50V
C393	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C394	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C395	VCKYCY1EF223Z	AB			0.022 μ F,25V
C396	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C397	VCKYCY1EF223Z	AB			0.022 μ F,25V
C398	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C399	VCKYCY1EF223Z	AB			0.022 μ F,25V
C601	VCEAZA1CW227M	AC			220 μ F,16V,Electrolytic
C602	VCKYPA1HF223Z	AB			0.022 μ F,50V
C603	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C605	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C606	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C607	VCFYFA1HA823J	AB			0.082 μ F,50V
C608	VCFYFA1HA823J	AB			0.082 μ F,50V
C609	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C610	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C611	VCKYCY1HB222K	AA			0.0022 μ F,50V
C612	VCKYCY1HB222K	AA			0.0022 μ F,50V
C613	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C614	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C615	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C616	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C617	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C618	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C619	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C620	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C621	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C622	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C623	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C624	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C625	VCKYCY1HB222K	AA			0.0022 μ F,50V
C626	VCKYCY1HB222K	AA			0.0022 μ F,50V
C631	VCKYBT1HB103K	AB			0.01 μ F,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C639	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C640	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C651	VCKYCY1HB221K	AA			220 pF,50V
C652	VCKYCY1HB221K	AA			220 pF,50V
C653	VCKYCY1HB221K	AA			220 pF,50V
C662	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C663	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C664	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C665	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C666	VCKYCY1HB103K	AA			0.01 μ F,50V
C667	VCEAZA0JW108M	AC			1000 μ F,6.3V,Electrolytic
C669	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C670	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C671	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C690	VCKYPA1HB391K	AA			390 pF,50V
C691	VCKYPA1HB391K	AA			390 pF,50V
C693	VCKYPA1HB101K	AA			100 pF,50V
C694	VCKYPA1HB102K	AA			0.001 μ F,50V
C695	VCKYPA1HB102K	AA			0.001 μ F,50V
C696	VCKYPA1HB103K	AA			0.01 μ F,50V
C701	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C702	VCEAZA0JW108M	AC			1000 μ F,6.3V,Electrolytic
C704	VCCCCY1HH150J	AA			15 pF (CH),50V
C705	VCCCCY1HH180J	AA			18 pF (CH),50V
C707	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C709	VCKYCY1HB473K	AB			0.047 μ F,50V
C710	VCKYCY1HB473K	AB			0.047 μ F,50V
C714	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C715	VCKYCY1HB103K	AA			0.01 μ F,50V
C717	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C720	VCKYCY1EF223Z	AB			0.022 μ F,25V
C721	VCKYCY1EF223Z	AB			0.022 μ F,25V
C722	VCKYCY1HF103Z	AB			0.01 μ F,50V
C723	VCKYCY1EF473Z	AB			0.047 μ F,25V
C727	VCKYCY1EF473Z	AB			0.047 μ F,25V
C730	VCKYCY1EF473Z	AB			0.047 μ F,25V
C732	VCKYCY1EF473Z	AB			0.047 μ F,25V
C801	VCEAZA1VW107M	AC			100 μ F,35V,Electrolytic
C802	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C803	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C804	VCEAZA1JW227M	AD			220 μ F,63V,Electrolytic
C805	VCEAZA2AW226M	AC			22 μ F,100V,Electrolytic
C806	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C807	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C808	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C809	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C810	VCFYDA2AA224J	AD			0.22 μ F,100V,Thin Film
C811	VCFYDA2AA224J	AD			0.22 μ F,100V,Thin Film
C812	RC-EZ0149AWZZ	AC			470 μ F,10V,Electrolytic
C813	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C814	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C815	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C816	RC-EZ0159AWZZ	AC			220 μ F,35V,Electrolytic
C817	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C850	RC-EZ3006AWZZ	AL			6800 μ F,35V,Electrolytic
C851	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C852	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C854	VCEAZA1EW227M	AC			220 μ F,25V,Electrolytic
C855	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C856	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C859	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C861	VCKYPA1HF223Z	AB			0.022 μ F,50V
C864	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C865	VCEAZA1EW226M	AB			22 μ F,25V,Electrolytic
C866	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C871A	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C871B	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C872	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C873	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C874	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C875	VCKYCY1HB104K	AD			0.1 μ F,50V
C876	VCKYCY1HB104K	AD			0.1 μ F,50V
C877	VCKYCY1HB104K	AD			0.1 μ F,50V
C878	VCKYCY1HB104K	AD			0.1 μ F,50V
C885	VCKYCY1HB104K	AD			0.1 μ F,50V
C901	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic [CD-DV999W]
C901	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic [CD-DV777W]
C902	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic [CD-DV999W]
C902	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic [CD-DV777W]
C903	VCKYCY1HB102K	AA			0.001 μ F,50V
C904	VCKYCY1HB102K	AA			0.001 μ F,50V
C905	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C906	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C907	VCCCCY1HH101J	AA			100 pF (CH),50V
C908	VCCCCY1HH3R0C	AA			3 pF (CH),50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
C909	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C910	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C911	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C912	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C913	VCCCCY1HH101J	AA			100 pF (CH),50V
C914	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C915	VCEAZA2AW107M	AD			100 μ F,100V,Electrolytic
C916	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C917	VCKYCY1HB103K	AA			0.01 μ F,50V
C918	VCEAZA1HW107M	AC			100 μ F,50V,Electrolytic
C919	VCKYCY1HB103K	AA			0.01 μ F,50V
C920	RC-EZ0029AWZZ	AN			3300 μ F,71V,Electrolytic [CD-DV777W]
C920	RC-EZ0124AWZZ	AR			3900 μ F,85V,Electrolytic [CD-DV999W]
C921	RC-EZ0065AWZZ	AN			4700 μ F,50V,Electrolytic [CD-DV999W]
C921	RC-EZ0106AWZZ	AH			4700 μ F,35V,Electrolytic [CD-DV777W]
C922	RC-EZ0065AWZZ	AN			4700 μ F,50V,Electrolytic [CD-DV999W]
C922	RC-EZ0106AWZZ	AH			4700 μ F,35V,Electrolytic [CD-DV777W]
C923	RC-EZ0029AWZZ	AN			3300 μ F,71V,Electrolytic [CD-DV777W]
C923	RC-EZ0124AWZZ	AR			3900 μ F,85V,Electrolytic [CD-DV999W]
C925	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C926	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C927	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C928	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C929	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C931	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C944	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C946	VCEAZA1HW104M	AB			0.1 μ F,50V,Electrolytic
C3001	VCKYCY1CB104K	AB			0.1 μ F,16V
C3003	VCKYCY1CB104K	AB			0.1 μ F,16V
C3004	VCKYCY1CB104K	AB			0.1 μ F,16V
C3006	VCKYCY1CB104K	AB			0.1 μ F,16V
C3007	VCKYCY1CB104K	AB			0.1 μ F,16V
C3009	VCKYCY1CB104K	AB			0.1 μ F,16V
C3010	VCKYCY1CB104K	AB			0.1 μ F,16V
C3013	VCKYCY1CB104K	AB			0.1 μ F,16V
C3014	VCKYCY1CB104K	AB			0.1 μ F,16V
C3015	VCKYCY1CB104K	AB			0.1 μ F,16V
C3017	VCKYCY1CB104K	AB			0.1 μ F,16V
C3018	VCKYCY1CB104K	AB			0.1 μ F,16V
C3019	VCKYCY0JB105K	AC			1 μ F,6.3V
C3020	VCKYCY1CB104K	AB			0.1 μ F,16V
C3022	VCKYCY1CB104K	AB			0.1 μ F,16V
C3023	VCKYCY1CB104K	AB			0.1 μ F,16V
C3025	VCKYCY0JB105K	AC			1 μ F,6.3V
C3026	VCKYCY1HB821K	AA			820 pF,50V
C3027	VCKYCY1HB102K	AA			0.001 μ F,50V
C3028	VCKYCY1CB104K	AB			0.1 μ F,16V
C3030	VCKYCY1CB104K	AB			0.1 μ F,16V
C3031	VCKYCY1HB102K	AA			0.001 μ F,50V
C3032	VCKYCY1HB102K	AA			0.001 μ F,50V
C3033	VCKYCY1HB102K	AA			0.001 μ F,50V
C3034	VCKYCY1HB152K	AA			0.0015 μ F,50V
C3035	VCKYCY1CB104K	AB			0.1 μ F,16V
C3036	VCKYCY1EB103K	AA			0.01 μ F,25V
C3037	VCKYCY1CB104K	AB			0.1 μ F,16V
C3038	VCCCCY1HH221J	AA			220 pF (CH),50V
C3039	VCKYCY0JB105K	AC			1 μ F,6.3V
C3040	VCKYCY0JB105K	AC			1 μ F,6.3V
C3041	VCKYCY0JB105K	AC			1 μ F,6.3V
C3042	VCKYCY1CB104K	AB			0.1 μ F,16V
C3043	VCKYCY1CB104K	AB			0.1 μ F,16V
C3044	VCKYCY1HB562K	AA			0.0056 μ F,50V
C3045	VCKYCY1EB183K	AB			0.018 μ F,25V
C3046	VCKYCY1CB104K	AB			0.1 μ F,16V
C3047	VCCCCY1HH331J	AA			330 pF (CH),50V
C3048	VCKYCY1EB103K	AA			0.01 μ F,25V
C3049	VCKYCY1CB104K	AB			0.1 μ F,16V
C3050	VCKYCY1CB104K	AB			0.1 μ F,16V
C3051	VCKYCY1CB104K	AB			0.1 μ F,16V
C3052	VCCCCY1HH330J	AA			33 pF (CH),50V
C3053	VCKYCY1CB333K	AA			0.033 μ F,16V
C3054	VCKYCY1CB104K	AB			0.1 μ F,16V
C3055	VCKYCY1CB104K	AB			0.1 μ F,16V
C3056	VCKYCY1CB104K	AB			0.1 μ F,16V
C3057	VCKYCY1CB104K	AB			0.1 μ F,16V
C3058	RC-EZ0475GEZZ	AD			220 μ F,6.3V,Electrolytic
C3059	RC-EZ0475GEZZ	AD			220 μ F,6.3V,Electrolytic
C3060	VCKYCY1CB104K	AB			0.1 μ F,16V
C3061	VCKYCY1CB104K	AB			0.1 μ F,16V
C3062	VCKYCY0JB105K	AC			1 μ F,6.3V
C3063	VCKYCY1CB104K	AB			0.1 μ F,16V
C3065	VCKYCY1CB104K	AB			0.1 μ F,16V
C3066	VCKYCY1CB104K	AB			0.1 μ F,16V
C3068	RC-EZ0475GEZZ	AD			220 μ F,6.3V,Electrolytic
C3100	VCCCCY1HH180J	AA			18 pF (CH),50V

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[8] CAPACITORS					
C3107	VCCCCY1HH100D	AA			10 pF (CH),50V
C3108	VCCCCY1HH180J	AA			18 pF (CH),50V
C3109	VCCCCY1HH100D	AA			10 pF (CH),50V
C3110	VCCCCY1HH180J	AA			18 pF (CH),50V
C3111	VCCCCY1HH100D	AA			10 pF (CH),50V
C3301	VCKYCY1CB104K	AB			0.1 μ F,16V
C3302	VCEAPS476AF0J	AC			47 μ F,6.3V,Electrolytic
C3303	VCEAPS476AF0J	AC			47 μ F,6.3V,Electrolytic
C3304	VCKYCY1CB104K	AB			0.1 μ F,16V
C3401	VCKYCY1CB104K	AB			0.1 μ F,16V
C3402	VCKYCY1CB104K	AB			0.1 μ F,16V
C3406	VCKYCY1CB104K	AB			0.1 μ F,16V
C3408	VCKYCY1CB104K	AB			0.1 μ F,16V
C3409	VCKYCY1CB104K	AB			0.1 μ F,16V
C3412	VCKYCY1CB104K	AB			0.1 μ F,16V
C3501	VCKYCY1CB104K	AB			0.1 μ F,16V
C3502	VCKYCY1CB104K	AB			0.1 μ F,16V
C3503	VCKYCY1CB104K	AB			0.1 μ F,16V
C3504	VCKYCY1CB104K	AB			0.1 μ F,16V
C3601	VCKYCY1CB104K	AB			0.1 μ F,16V
C3602	VCKYCY1CB104K	AB			0.1 μ F,16V
C3603	VCKYCY1CB104K	AB			0.1 μ F,16V
C3604	VCCCCY1HH9R0D	AA			9 pF (CH),50V
C3605	VCCCCY1HH9R0D	AA			9 pF (CH),50V
C3606	VCEAPS107AF0J	AC			100 μ F,6.3V,Electrolytic
C3703	VCKYCY1CB104K	AB			0.1 μ F,16V
C3705	VCEAPS107AF1A	AD			100 μ F,10V,Electrolytic
C3706	VCKYCY1CB104K	AB			0.1 μ F,16V
C3707	VCKYCY1HB103K	AA			0.01 μ F,50V
C3708	VCKYCY1CB104K	AB			0.1 μ F,16V
C3709	VCKYCY1EF223Z	AB			0.022 μ F,25V
C3710	VCEAPS107AF1A	AD			100 μ F,10V,Electrolytic
C3711	VCKYCY1CB104K	AB			0.1 μ F,16V
C3712	VCEAPS107AF1A	AD			100 μ F,10V,Electrolytic
C3801	RC-EZ0130AWZZ	AG			10 μ F,10V,Electrolytic
C3803	VCKYCY1CB104K	AB			0.1 μ F,16V
C3804	VCKYCY1CB104K	AB			0.1 μ F,16V
C3805	RC-EZ0475GEZZ	AD			220 μ F,6.3V,Electrolytic
C3906	VCKYCY1CB104K	AB			0.1 μ F,16V
C7001	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C7002	VCKZPA1HF223Z	AA			0.022 μ F,50V
C7003	VCCSPA1HL470J	AA			47 pF,50V
C7004	VCCSPA1HL470J	AA			47 pF,50V
C7005	VCCSPA1HL470J	AA			47 pF,50V
C7008	VCTYPA1CX103K	AA			0.01 μ F,16V
C7009	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C7011	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
CK1	VCTYPA1CX103K	AA			0.01 μ F,16V
CK3	VCKZPA1HF473Z	AA			0.047 μ F,50V
CK7	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
CK8	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
CK9	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK10	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK11	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK12	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK13	VCTYPA1CX472K	AA			0.0047 μ F,16V
CK14	VCKYPA1HB102K	AA			0.001 μ F,50V
CK15	VCFYFA1HA683J	AB			0.068 μ F,50V,Thin Film
CK16	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CK17	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
CK18	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK19	VCKZPA1HF223Z	AA			0.022 μ F,50V
CK20	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CK21	VCFYFA1HA683J	AB			0.068 μ F,50V,Thin Film
CK22	VCTYPA1CX472K	AA			0.0047 μ F,16V
CK23	VCKYPA1HB102K	AA			0.001 μ F,50V
CK24	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK25	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK26	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK29	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK30	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK31	VCFYFA1HA154J	AB			0.15 μ F,50V,Thin Film
CK33	VCCSPA1HL470J	AA			47 pF,50V
CK34	VCCSPA1HL470J	AA			47 pF,50V
CK35	VCCSPA1HL470J	AA			47 pF,50V
CK40	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK41	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CK42	VCKZPA1HF223Z	AA			0.022 μ F,50V
CK43	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK44	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK45	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK46	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK47	VCCSPA1HL221J	AA			220 pF,50V
CK48	VCCSPA1HL221J	AA			220 pF,50V
CK49	VCCSPA1HL101J	AA			100 pF,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] CAPACITORS					
CK50	VCCSPA1HL101J	AA			100 pF,50V
CK51	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CK52	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CK53	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CK54	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK70	VCEAZA1HW474M	AB			0.47 μ F,50V,Electrolytic
CK71	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
CK72	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CK73	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK74	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
CK75	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
[9] RESISTORS					
	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3001	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
FB3002	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R101	VRS-CY1JB102J	AA			1 kohm,1/16W
R102	VRS-CY1JB102J	AA			1 kohm,1/16W
R103	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R104	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R105	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R106	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R107	VRS-CY1JB473J	AA			47 kohms,1/16W
R108	VRS-CY1JB473J	AA			47 kohms,1/16W
R109	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R110	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R111	VRD-ST2CD153J	AA			15 kohms,1/6W
R112	VRS-CY1JB153J	AA			15 kohms,1/16W
R113	VRD-ST2CD102J	AA			1 kohm,1/6W
R114	VRD-ST2CD102J	AA			1 kohm,1/6W
R115	VRD-ST2CD560J	AA			56 ohms,1/6W
R116	VRD-ST2CD560J	AA			56 ohms,1/6W
R117	VRS-CY1JB104J	AA			100 kohm,1/16W
R118	VRS-CY1JB104J	AA			100 kohm,1/16W
R119	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R120	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R121	VRS-CY1JB153J	AA			15 kohms,1/16W [CD-DV999W]
R121	VRS-CY1JB183J	AA			18 kohms,1/16W [CD-DV777W]
R122	VRS-CY1JB153J	AA			15 kohms,1/16W [CD-DV999W]
R122	VRS-CY1JB183J	AA			18 kohms,1/16W [CD-DV777W]
R123	VRS-CY1JB562J	AA			5.6 kohms,1/16W [CD-DV999W]
R123	VRS-CY1JB682J	AA			6.8 kohms,1/16W [CD-DV777W]
R124	VRS-CY1JB562J	AA			5.6 kohms,1/16W [CD-DV999W]
R124	VRS-CY1JB682J	AA			6.8 kohms,1/16W [CD-DV777W]
R126	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R127	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R128	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R129	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R130	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R131	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R132	VRS-CY1JB101J	AA			100 ohm,1/16W
R133	VRS-CY1JB101J	AA			100 ohm,1/16W
R134	VRS-CY1JB103J	AA			10 kohm,1/16W
R135	VRS-CY1JB103J	AA			10 kohm,1/16W
R136	VRS-CY1JB224J	AA			220 kohms,1/16W
R137	VRS-CY1JB224J	AA			220 kohms,1/16W
R138	VRS-CY1JB103J	AA			10 kohm,1/16W
R139	VRS-CY1JB103J	AA			10 kohm,1/16W
R140	VRS-CY1JB473J	AA			47 kohms,1/16W
R141	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R142	VRD-RT2HD820J	AA			82 ohms,1/2W
R143	VRS-CY1JB473J	AA			47 kohms,1/16W
R144	VRS-CY1JB223J	AA			22 kohms,1/16W
R145	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R146	VRS-CY1JB103J	AA			10 kohm,1/16W
R147	VRS-CY1JB103J	AA			10 kohm,1/16W
R148	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R149	VRD-ST2EE151J	AA			150 ohms,1/4W
R150	VRS-CY1JB683J	AA			68 kohms,1/16W
R158	VRD-ST2EE221J	AA			220 ohms,1/4W
R302	VRS-CY1JB100J	AA			10 ohm,1/16W
R309	VRD-ST2CD103J	AA			10 kohm,1/6W
R311	VRS-CY1JB104J	AA			100 kohm,1/16W
R313	VRS-CY1JB333J	AA			33 kohms,1/16W
R314	VRD-ST2CD220J	AA			22 ohms,1/6W
R316	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R322	VRS-CY1JB681J	AA			680 ohms,1/16W
R323	VRS-CY1JB683J	AA			68 kohms,1/16W
R325	VRS-CY1JB473J	AA			47 kohms,1/16W
R336	VRS-CY1JB103J	AA			10 kohm,1/16W
R350	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R351	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R352	VRS-CY1JB102J	AA			1 kohm,1/16W
R353	VRS-CY1JB271J	AA			270 ohms,1/16W
R355	VRS-CY1JB332J	AA			3.3 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R356	VRS-CY1JB102J	AA			1 kohm,1/16W
R357	VRS-CY1JB474J	AA			470 kohms,1/16W
R358	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R359	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R360	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R365	VRS-CY1JB103J	AA			10 kohm,1/16W
R372	VRS-CY1JB102J	AA			1 kohm,1/16W
R373	VRS-CY1JB102J	AA			1 kohm,1/16W
R374	VRS-CY1JB102J	AA			1 kohm,1/16W
R375	VRD-ST2CD471J	AA			470 ohms,1/6W
R376	VRS-CY1JB102J	AA			1 kohm,1/16W
R377	VRS-CY1JB473J	AA			47 kohms,1/16W
R378	VRS-CY1JB102J	AA			1 kohm,1/16W
R379	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R380	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R381	VRS-CY1JB103J	AA			10 kohm,1/16W
R382	VRD-ST2EE151J	AA			150 ohms,1/4W
R383	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R384	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R385	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R386	VRD-ST2CD223J	AA			22 kohms,1/6W
R387	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R388	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R391	VRD-ST2EE271J	AA			270 ohms,1/4W
R392	VRD-ST2EE271J	AA			270 ohms,1/4W
R393	VRD-ST2CD102J	AA			1 kohm,1/6W
R395	VRS-CY1JB473J	AA			47 kohms,1/16W
R573	VRD-ST2CD103J	AA			10 kohm,1/6W
R574	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R576	VRD-ST2CD102J	AA			1 kohm,1/6W
R577	VRD-ST2CD102J	AA			1 kohm,1/6W
R578	VRD-ST2CD102J	AA			1 kohm,1/6W
R579	VRD-ST2CD102J	AA			1 kohm,1/6W
R588	VRS-CY1JB103J	AA			10 kohm,1/16W
R589	VRD-ST2CD103J	AA			10 kohm,1/6W
R593	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R601	VRD-ST2CD102J	AA			1 kohm,1/6W
R602	VRD-ST2CD102J	AA			1 kohm,1/6W
R603	VRD-ST2CD102J	AA			1 kohm,1/6W
R604	VRS-CY1JB103J	AA			10 kohm,1/16W
R605	VRS-CY1JB103J	AA			10 kohm,1/16W
R606	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R607	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R608	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R609	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R610	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R611	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R612	VRS-CY1JB391J	AA			390 ohms,1/16W
R613	VRS-CY1JB391J	AA			390 ohms,1/16W
R614	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R615	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R616	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R617	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R618	VRD-ST2CD331J	AA			330 ohms,1/6W
R619	VRS-CY1JB331J	AA			330 ohms,1/16W
R620	VRS-CY1JB223J	AA			22 kohms,1/16W
R621	VRS-CY1JB223J	AA			22 kohms,1/16W
R641	VRS-CY1JB103J	AA			10 kohm,1/16W
R642	VRD-ST2CD103J	AA			10 kohm,1/6W
R643	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R644	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R660A	VRS-CY1JB102J	AA			1 kohm,1/16W
R660B	VRS-CY1JB561J	AA			560 ohms,1/16W
R661	VRD-ST2CD101J	AA			100 ohm,1/6W
R662	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R663	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R664	VRS-CY1JB221J	AA			220 ohms,1/16W
R665	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R666	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R667	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R668	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R674	VRS-CY1JB221J	AA			220 ohms,1/16W
R675	VRS-CY1JB221J	AA			220 ohms,1/16W
R677	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R679	VRS-CY1JB680J	AA			68 ohms,1/16W
R680	VRD-ST2CD103J	AA			10 kohm,1/6W
R681	VRD-ST2CD103J	AA			10 kohm,1/6W
R688	VRS-CY1JB331J	AA			330 ohms,1/16W
R690	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R691	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R692	VRD-ST2CD333J	AA			33 kohms,1/6W [CD-DV777W]
R692	VRD-ST2CD393J	AA			39 kohms,1/6W [CD-DV999W]
R693	VRD-ST2CD333J	AA			33 kohms,1/6W [CD-DV777W]
R693	VRD-ST2CD393J	AA			39 kohms,1/6W [CD-DV999W]
R701	VRS-CY1JB102J	AA			1 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R702	VRS-CY1JB102J	AA			1 kohm,1/16W
R703	VRS-CY1JB101J	AA			100 ohm,1/16W
R704	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R705	VRD-ST2CD102J	AA			1 kohm,1/6W
R706	VRS-CY1JB102J	AA			1 kohm,1/16W
R707	VRD-ST2CD102J	AA			1 kohm,1/6W
R708	VRD-ST2CD102J	AA			1 kohm,1/6W
R709	VRD-ST2CD102J	AA			1 kohm,1/6W
R710	VRD-ST2CD102J	AA			1 kohm,1/6W
R711	VRD-ST2CD102J	AA			1 kohm,1/6W
R712	VRD-ST2CD102J	AA			1 kohm,1/6W
R713	VRS-CY1JB102J	AA			1 kohm,1/16W
R714	VRS-CY1JB102J	AA			1 kohm,1/16W
R715	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R716	VRS-CY1JB102J	AA			1 kohm,1/16W
R717	VRD-ST2CD102J	AA			1 kohm,1/6W
R718	VRS-CY1JB102J	AA			1 kohm,1/16W
R719	VRS-CY1JB102J	AA			1 kohm,1/16W
R720	VRS-CY1JB102J	AA			1 kohm,1/16W
R721	VRS-CY1JB102J	AA			1 kohm,1/16W
R722	VRS-CY1JB102J	AA			1 kohm,1/16W
R723	VRD-ST2CD102J	AA			1 kohm,1/6W
R724	VRS-CY1JB102J	AA			1 kohm,1/16W
R725	VRD-ST2CD102J	AA			1 kohm,1/6W
R726	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R727	VRS-CY1JB681J	AA			680 ohms,1/16W
R728	VRS-CY1JB681J	AA			680 ohms,1/16W
R729	VRD-ST2CD561J	AA			560 ohms,1/6W
R730	VRD-ST2CD102J	AA			1 kohm,1/6W
R731	VRS-CY1JB103J	AA			10 kohm,1/16W
R732	VRS-CY1JB102J	AA			1 kohm,1/16W
R733	VRS-CY1JB102J	AA			1 kohm,1/16W
R736	VRS-CY1JB102J	AA			1 kohm,1/16W
R737	VRD-ST2CD102J	AA			1 kohm,1/6W
R738	VRD-ST2CD102J	AA			1 kohm,1/6W
R739	VRD-ST2CD102J	AA			1 kohm,1/6W
R740	VRD-ST2CD101J	AA			100 ohm,1/6W
R741	VRD-ST2CD102J	AA			1 kohm,1/6W
R742	VRS-CY1JB102J	AA			1 kohm,1/16W
R743	VRS-CY1JB102J	AA			1 kohm,1/16W
R744	VRD-ST2CD102J	AA			1 kohm,1/6W
R745	VRD-ST2CD103J	AA			10 kohm,1/6W
R746	VRD-ST2CD102J	AA			1 kohm,1/6W
R748	VRD-ST2CD102J	AA			1 kohm,1/6W
R750	VRD-ST2CD473J	AA			47 kohms,1/6W
R751	VRD-ST2CD331J	AA			330 ohms,1/6W
R753	VRD-ST2CD102J	AA			1 kohm,1/6W
R754	VRD-ST2CD103J	AA			10 kohm,1/6W
R755	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R757	VRS-CY1JB103J	AA			10 kohm,1/16W
R759	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R760	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R761	VRS-CY1JB103J	AA			10 kohm,1/16W
R763	VRS-CY1JB102J	AA			1 kohm,1/16W
R766	VRS-CY1JB103J	AA			10 kohm,1/16W
R767	VRS-CY1JB103J	AA			10 kohm,1/16W
R768	VRS-CY1JB103J	AA			10 kohm,1/16W
R769	VRD-ST2CD102J	AA			1 kohm,1/6W
R770	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R771	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R772	VRD-ST2CD102J	AA			1 kohm,1/6W
R773	VRS-CY1JB103J	AA			10 kohm,1/16W
R774	VRS-CY1JB103J	AA			10 kohm,1/16W
R775	VRS-CY1JB103J	AA			10 kohm,1/16W
R777	VRS-CY1JB103J	AA			10 kohm,1/16W
R778	VRS-CY1JB103J	AA			10 kohm,1/16W
R779	VRS-CY1JB103J	AA			10 kohm,1/16W
R780	VRD-ST2CD103J	AA			10 kohm,1/6W
R781	VRS-CY1JB473J	AA			47 kohms,1/16W
R782	VRD-ST2CD104J	AA			100 kohm,1/6W
R783	VRS-CY1JB101J	AA			100 ohm,1/16W
R786	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R787	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R788	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R789	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R790	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R791	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R794	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R795	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R796	VRS-CY1JB103J	AA			10 kohm,1/16W
R797	VRS-CY1JB103J	AA			10 kohm,1/16W
R798	VRS-CY1JB103J	AA			10 kohm,1/16W
R799	VRS-CY1JB103J	AA			10 kohm,1/16W
R801	VRD-ST2CD104J	AA			100 kohm,1/6W
R802	VRD-ST2CD473J	AA			47 kohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R803	VRD-ST2CD123J	AA			12 kohms,1/6W
R804	VRD-ST2EE470J	AA			47 ohms,1/4W
R805	VRD-ST2EE470J	AA			47 ohms,1/4W
R806	VRD-ST2CD473J	AA			47 kohms,1/6W
R808	VRD-RT2HD222J	AA			2.2 kohms,1/2W
R853	VRD-ST2CD223J	AA			22 kohms,1/6W
R854	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R857	VRD-ST2CD223J	AA			22 kohms,1/6W
R859	VRD-ST2CD103J	AA			10 kohm,1/6W
R864	VRD-ST2CD223J	AA			22 kohms,1/6W
R865	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R871A	VRS-CY1JB270J	AA			27 ohms,1/16W
R871B	VRD-ST2CD102J	AA			1 kohm,1/6W
R872	VRS-CY1JB331J	AA			330 ohms,1/16W
R873	VRS-CY1JB470J	AA			47 ohms,1/16W
R874	VRS-CY1JB121J	AA			120 ohms,1/16W
R885	VRS-CY1JB681J	AA			680 ohms,1/16W [CD-DV999W]
R885	VRS-CY1JB821J	AA			820 ohms,1/16W [CD-DV777W]
R886	VRS-CY1JB223J	AA			22 kohms,1/16W
R887	VRS-CY1JB223J	AA			22 kohms,1/16W
R888	VRD-ST2CD473J	AA			47 kohms,1/6W
R889	VRD-ST2CD473J	AA			47 kohms,1/6W
R891	VRD-ST2EE101J	AA			100 ohm,1/4W
R892	VRD-ST2CD182J	AA			1.8 kohms,1/6W
R893	VRD-ST2CD103J	AA			10 kohm,1/6W
R901	VRS-CY1JB563J	AA			56 kohms,1/16W
R902	VRS-CY1JB563J	AA			56 kohms,1/16W
R903	VRS-CY1JB102J	AA			1 kohm,1/16W
R904	VRS-CY1JB102J	AA			1 kohm,1/16W
R905	VRS-CY1JB561J	AA			560 ohms,1/16W
R906	VRS-CY1JB561J	AA			560 ohms,1/16W
R907	VRS-CY1JB563J	AA			56 kohms,1/16W
R908	VRS-CY1JB102J	AA			1 kohm,1/16W
R909	VRS-CY1JB333J	AA			33 kohms,1/16W
R910	VRD-ST2CD102J	AA			1 kohm,1/6W
R911	VRS-CY1JB563J	AA			56 kohms,1/16W
⚠ R912	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
R913	VRN-CM05NR22J	AD			0.22 ohms,5W [CD-DV999W]
R913	VRN-VV3LAR22J	AC			0.22 ohms,3W [CD-DV777W]
R916	VRN-CM05NR22J	AD			0.22 ohms,5W [CD-DV999W]
R916	VRN-VV3LAR22J	AC			0.22 ohms,3W [CD-DV777W]
R917	VRN-CM05N0R1J	AD			0.1 ohm,5W [CD-DV999W]
R917	VRN-VV3LAR10J	AD			0.1 ohm,3W [CD-DV777W]
R918	VRD-ST2CD152J	AA			1.5 kohms,1/6W [CD-DV777W]
R918	VRD-ST2CD222J	AA			2.2 kohms,1/6W [CD-DV999W]
R919	VRS-CY1JB152J	AA			1.5 kohms,1/16W [CD-DV999W]
R919	VRS-CY1JB182J	AA			1.8 kohms,1/16W [CD-DV777W]
R920	VRS-CY1JB152J	AA			1.5 kohms,1/16W [CD-DV999W]
R920	VRS-CY1JB182J	AA			1.8 kohms,1/16W [CD-DV777W]
R921	VRD-ST2CD152J	AA			1.5 kohms,1/6W [CD-DV777W]
R921	VRD-ST2CD222J	AA			2.2 kohms,1/6W [CD-DV999W]
R922	VRN-CM05N0R1J	AD			0.1 ohm,5W [CD-DV999W]
R922	VRN-VV3LAR10J	AD			0.1 ohm,3W [CD-DV777W]
R925	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R926	VRD-RT2HD152J	AA			1.5 kohms,1/2W
R927	VRD-ST2EE393J	AA			39 kohms,1/4W
R928	VRD-ST2EE393J	AA			39 kohms,1/4W
R929	VRD-ST2EE473J	AA			47 kohms,1/4W
R930	VRD-ST2EE473J	AA			47 kohms,1/4W
R934	VRD-ST2CD563J	AA			56 kohms,1/6W
R935	VRD-ST2CD563J	AA			56 kohms,1/6W
R937	VRS-CY1JB563J	AA			56 kohms,1/16W
R938	VRD-RT2HD100J	AA			10 ohm,1/2W
R939	VRD-RT2HD100J	AA			10 ohm,1/2W
R940	VRD-RT2HD100J	AA			10 ohm,1/2W
R941	VRD-RT2HD100J	AA			10 ohm,1/2W
R942	VRS-VV3DA471J	AB			470 ohms,2W [CD-DV777W]
R942	VRS-VV3DA681J	AC			680 ohms,2W [CD-DV999W]
R943	VRS-VV3DA471J	AB			470 ohms,2W [CD-DV777W]
R943	VRS-VV3DA681J	AC			680 ohms,2W [CD-DV999W]
R944	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R945	VRD-ST2CD152J	AA			1.5 kohms,1/6W
R946	VRS-CY1JB473J	AA			47 kohms,1/16W
R947	VRS-CY1JB153J	AA			15 kohms,1/16W
R949	VRD-RT2HD102J	AA			1 kohm,1/2W
R950	VRD-ST2CD683J	AA			68 kohms,1/6W
R951	VRD-ST2EE102J	AA			1 kohm,1/4W
R956	VRS-CY1JB102J	AA			1 kohm,1/16W
R957	VRS-CY1JB472J	AA			4.7 kohms,1/16W
⚠ R958	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
R959	VRD-ST2CD221J	AA			220 ohms,1/6W
R983	VRS-CY1JB333J	AA			33 kohms,1/16W
R984	VRS-CY1JB152J	AA			1.5 kohms,1/16W [CD-DV999W]
R984	VRS-CY1JB182J	AA			1.8 kohms,1/16W [CD-DV777W]
R985	VRS-CY1JB562J	AA			5.6 kohms,1/16W [CD-DV999W]

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R985	VRS-CY1JB822J	AA			8.2 kohms,1/16W [CD-DV777W]
R986	VRS-CY1JB562J	AA			5.6 kohms,1/16W [CD-DV999W]
R986	VRS-CY1JB822J	AA			8.2 kohms,1/16W [CD-DV777W]
R987	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R988	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3001	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3002	VRS-CY1JB220J	AA			22 ohms,1/16W
R3003	VRS-CY1JB101J	AA			100 ohm,1/16W
R3004	VRS-CY1JB101J	AA			100 ohm,1/16W
R3005	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R3006	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R3007	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R3008	VRS-CY1JB101J	AA			100 ohm,1/16W
R3009	VRS-CY1JB101J	AA			100 ohm,1/16W
R3010	VRS-CY1JB103J	AA			10 kohm,1/16W
R3011	VRS-CY1JB103F	AA			10 kohm,1/16W
R3012	VRS-CY1JB153F	AA			15 kohms,1/16W
R3013	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3014	VRS-CY1JB153F	AA			15 kohms,1/16W
R3015	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3016	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3018	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3019	VRS-CY1JB153J	AA			15 kohms,1/16W
R3020	VRS-CY1JB153F	AA			15 kohms,1/16W
R3021	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3022	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3024	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3025	VRS-CY1JB153J	AA			15 kohms,1/16W
R3026	VRS-CY1JB153J	AA			15 kohms,1/16W
R3027	VRS-CY1JB683J	AA			68 kohms,1/16W
R3030	VRS-CY1JB153F	AA			15 kohms,1/16W
R3031	VRS-CY1JB102J	AA			1 kohm,1/16W
R3032	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3033	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3035	VRS-CY1JB681J	AA			680 ohms,1/16W
R3037	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3038	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3039	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3043	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3044	VRS-CY1JB102J	AA			1 kohm,1/16W
R3045	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3046	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3049	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3050	VRS-CY1JB335J	AA			3.3 Mohms,1/16W
R3052	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3062	VRS-CY1JB392F	AA			3.9 kohms,1/16W
R3063	VRS-CY1JB102J	AA			1 kohm,1/16W
R3071	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3072	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R3074	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3075	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R3076	VRS-CY1JB154J	AA			150 kohms,1/16W
R3077	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3085	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3088	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3090	VRS-CY1JB103J	AA			10 kohm,1/16W
R3091	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3103	VRS-TW2EE121J	AA			120 ohms,1/4W
R3106	VRS-CY1JB511J	AA			510 ohms,1/16W
R3107	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3109	VRS-TW2EE121J	AA			120 ohms,1/4W
R3110	VRS-TW2EE121J	AA			120 ohms,1/4W
R3111	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3112	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3115	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3116	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3117	VRS-CY1JB511J	AA			510 ohms,1/16W
R3118	VRS-CY1JB511J	AA			510 ohms,1/16W
R3126	VRS-CY1JB471J	AA			470 ohms,1/16W
R3132	VRS-TV2AB750J	AA			75 ohms,1/10W
R3133	VRS-TV2AB750J	AA			75 ohms,1/10W
R3134	VRS-TV2AB750J	AA			75 ohms,1/10W
R3135	VRS-TV2AB750J	AA			75 ohms,1/10W
R3136	VRS-TV2AB750J	AA			75 ohms,1/10W
R3137	VRS-TV2AB750J	AA			75 ohms,1/10W
R3138	VRS-CY1JB102J	AA			1 kohm,1/16W
R3139	VRS-CY1JB102J	AA			1 kohm,1/16W
R3140	VRS-CY1JB101J	AA			100 ohm,1/16W
R3142	VRS-CY1JB330J	AA			33 ohms,1/16W
R3143	VRS-CY1JB102J	AA			1 kohm,1/16W
R3144	VRS-CY1JB221J	AA			220 ohms,1/16W
R3145	VRS-CY1JB221J	AA			220 ohms,1/16W
R3147	VRS-CY1JB103J	AA			10 kohm,1/16W
R3151	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3152	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

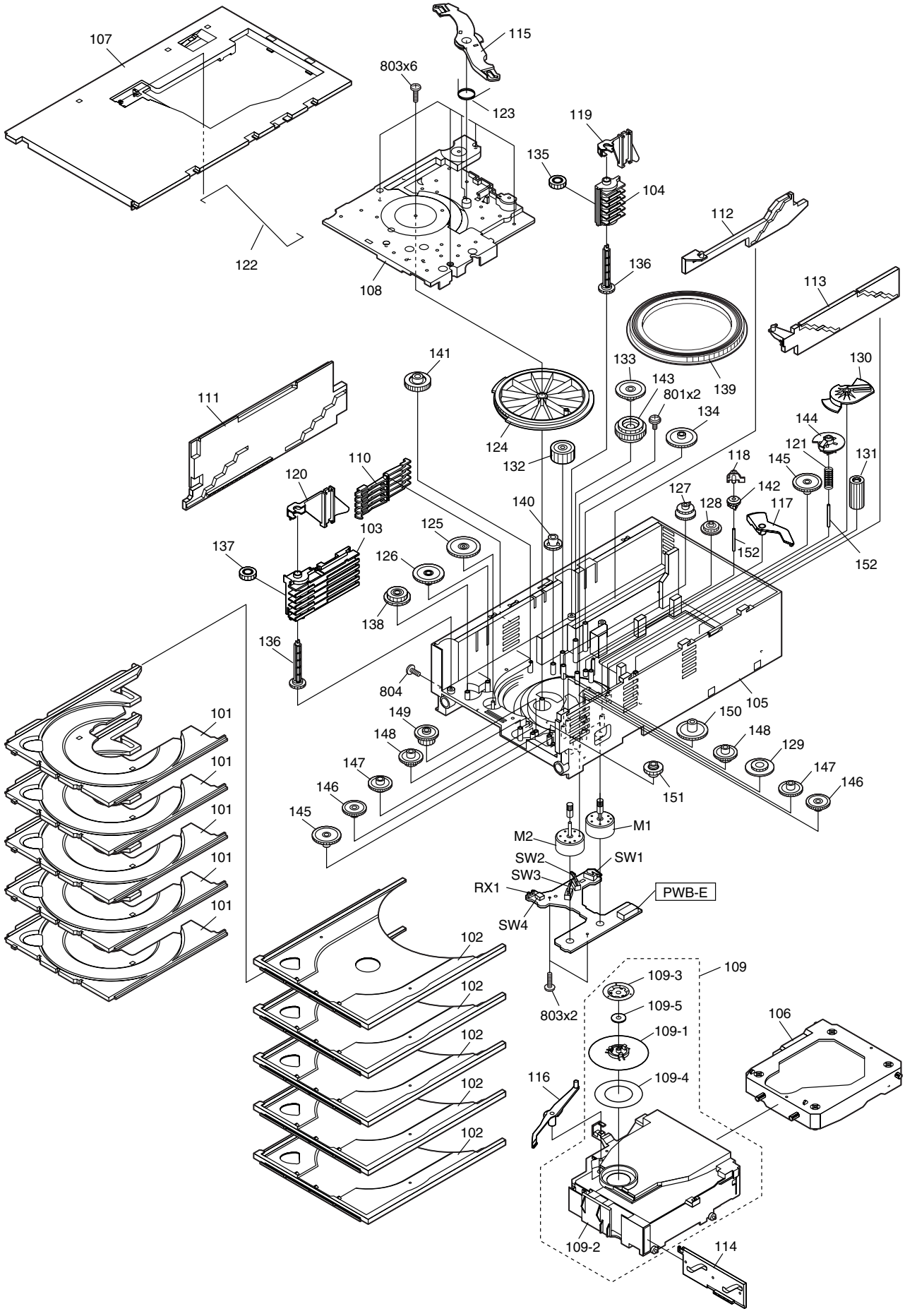
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R3153	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3154	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3155	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3156	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3157	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3158	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3159	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3160	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3161	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
R3162	VRS-CY1JB103J	AA			10 kohm,1/16W
R3163	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R3164	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R3165	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R3166	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R3167	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3171	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3172	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3201	VRS-CY1JB151J	AA			150 ohms,1/16W
R3202	VRS-CY1JB151J	AA			150 ohms,1/16W
R3203	VRS-CY1JB151J	AA			150 ohms,1/16W
R3204	VRS-CY1JB750F	AA			75 ohms,1/16W
R3205	VRS-CY1JB750F	AA			75 ohms,1/16W
R3206	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3207	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3208	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3211	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3303	VRS-CY1JB102J	AA			1 kohm,1/16W
R3304	VRS-CY1JB471J	AA			470 ohms,1/16W
R3306	VRS-TW2EE470J	AA			47 ohms,1/4W
R3307	VRS-TW2EE330J	AB			33 ohms,1/4W
R3309	VRS-CY1JB473J	AA			47 kohms,1/16W
R3310	VRS-CY1JB473J	AA			47 kohms,1/16W
R3311	VRS-CY1JB103J	AA			10 kohm,1/16W
R3312	VRS-CY1JB103J	AA			10 kohm,1/16W
R3313	VRS-CY1JB102J	AA			1 kohm,1/16W
R3314	VRS-CY1JB681J	AA			680 ohms,1/16W
R3316	VRS-TW2EE470J	AA			47 ohms,1/4W
R3317	VRS-TW2EE470J	AA			47 ohms,1/4W
R3318	VRS-CY1JB473J	AA			47 kohms,1/16W
R3319	VRS-CY1JB473J	AA			47 kohms,1/16W
R3320	VRS-CY1JB103J	AA			10 kohm,1/16W
R3321	VRS-CY1JB103J	AA			10 kohm,1/16W
R3322	VRS-CY1JB103J	AA			10 kohm,1/16W
R3401	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3402	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3403	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3404	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3405	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3406	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3407	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3408	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3409	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3410	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3411	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3412	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3413	VRS-CY1JB333J	AA			33 kohms,1/16W
R3414	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3415	VRS-CB1JF000J	AA			Block Resistors,0 ohmx4
R3416	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3417	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3418	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3419	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3420	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3421	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3422	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3423	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3424	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3425	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3426	VRS-CB1JF820J	AB			Block Resistors,82 ohmsx4
R3522	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3523	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R3531	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3547	VRS-CY1JB102J	AA			1 kohm,1/16W
R3548	VRS-CY1JB102J	AA			1 kohm,1/16W
R3601	VRS-CY1JB103J	AA			10 kohm,1/16W
R3602	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3603	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3604	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3605	VRS-CY1JB221J	AA			220 ohms,1/16W
R3701	VRS-CY1JB153J	AA			15 kohms,1/16W
R3702	VRS-CY1JB823J	AA			82 kohms,1/16W
R3703	VRS-CY1JB823J	AA			82 kohms,1/16W
R3704	VRS-CY1JB153J	AA			15 kohms,1/16W
R3706	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3707	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] RESISTORS					
R3711	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3712	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3714	VRS-CY1JB123J	AA			12 kohms,1/16W
R3715	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R3716	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3717	VRS-CY1JB103J	AA			10 kohm,1/16W
R3718	VRS-CY1JB103J	AA			10 kohm,1/16W
R3722	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3726	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R3727	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R3728	VRS-CY1JB474J	AA			470 kohms,1/16W
R3729	VRS-CY1JB103J	AA			10 kohm,1/16W
R3730	VRS-CY1JB473J	AA			47 kohms,1/16W
R3731	VRS-CY1JB221J	AA			220 ohms,1/16W
R3732	VRS-CY1JB333J	AA			33 kohms,1/16W
R3733	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R3734	VRS-CY1JB273J	AA			27 kohms,1/16W
R3735	VRS-CY1JB223J	AA			22 kohms,1/16W
R3801	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3802	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3803	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R3806	VRS-TV2AB470J	AA			47 ohms,1/10W
R7004	VRD-ST2CD333J	AA			33 kohms,1/6W
RD01	VRD-ST2CD681J	AA			680 ohms,1/6W
RD02	VRS-CY1JB821J	AA			820 ohms,1/16W
RD03	VRS-CY1JB102J	AA			1 kohm,1/16W
RD04	VRD-ST2CD152J	AA			1.5 kohms,1/6W
RD05	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RD06	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RD07	VRD-ST2CD392J	AA			3.9 kohms,1/6W
RD11	VRS-CY1JB681J	AA			680 ohms,1/16W
RD12	VRS-CY1JB821J	AA			820 ohms,1/16W
RD13	VRD-ST2CD102J	AA			1 kohm,1/6W
RD14	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RD22	VRD-ST2CD333J	AA			33 kohms,1/6W
RD23	VRD-ST2CD681J	AA			680 ohms,1/6W
RD24	VRD-ST2CD821J	AA			820 ohms,1/6W
RD25	VRD-ST2CD102J	AA			1 kohm,1/6W
RD26	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RD27	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RD28	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RD29	VRS-CY1JB392J	AA			3.9 kohms,1/16W
RD30	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RD31	VRS-CY1JB103J	AA			10 kohm,1/16W
RD32	VRS-CY1JB153J	AA			15 kohms,1/16W
RK1	VRD-ST2CD103J	AA			10 kohm,1/6W
RK2	VRD-ST2CD563J	AA			56 kohms,1/6W
RK3	VRD-ST2CD563J	AA			56 kohms,1/6W
RK4	VRD-ST2CD103J	AA			10 kohm,1/6W
RK7	VRD-ST2CD102J	AA			1 kohm,1/6W
RK8	VRD-ST2CD562J	AA			5.6 kohms,1/6W
RK9	VRD-ST2CD102J	AA			1 kohm,1/6W
RK10	VRD-ST2CD102J	AA			1 kohm,1/6W
RK11	VRD-ST2CD102J	AA			1 kohm,1/6W
RK12	VRD-ST2CD101J	AA			100 ohm,1/6W
RK13	VRD-ST2CD122J	AA			1.2 kohms,1/6W
RK14	VRD-RT2HD101J	AA			100 ohm,1/2W
RK15	VRD-RT2HD101J	AA			100 ohm,1/2W
RK36	VRD-ST2CD391J	AA			390 ohms,1/6W
RK37	VRD-ST2CD391J	AA			390 ohms,1/6W
RK38	VRD-ST2CD101J	AA			100 ohm,1/6W
RK39	VRD-ST2CD102J	AA			1 kohm,1/6W
RK40	VRD-ST2CD102J	AA			1 kohm,1/6W
RK41	VRD-ST2CD103J	AA			10 kohm,1/6W
RK42	VRD-ST2CD103J	AA			10 kohm,1/6W
RK43	VRD-ST2CD183J	AA			18 kohms,1/6W
RK44	VRD-ST2CD682J	AA			6.8 kohms,1/6W
RK45	VRD-ST2CD682J	AA			6.8 kohms,1/6W
RK46	VRD-ST2CD183J	AA			18 kohms,1/6W
RK47	VRD-ST2CD822J	AA			8.2 kohms,1/6W
RK48	VRD-ST2CD103J	AA			10 kohm,1/6W
RK49	VRD-ST2CD103J	AA			10 kohm,1/6W
RK50	VRD-ST2CD103J	AA			10 kohm,1/6W
RK70	VRD-ST2CD102J	AA			1 kohm,1/6W
RK71	VRD-ST2CD562J	AA			5.6 kohms,1/6W
RK72	VRD-ST2CD472J	AA			4.7 kohms,1/6W
RK73	VRD-ST2CD472J	AA			4.7 kohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] OTHER CIRCUITRY PARTS					
BI102	QCNWN1974AWZZ	AM			Connector Ass'y,7/6Pin With in CNS102
BI601	QCNWNA130AWPZ				Connector Ass'y,15/14Pin,Within CNS601
BI603	QCNWN2714AWPZ	AK			Connector Ass'y,6/5Pin,Within CNS603
BI801	QCNWN2731AWPZ				Connector Ass'y,15/14Pin,Within CNS801
BIK1	QCNWN2721AWPZ	AK			Connector Ass'y,12/11Pin Within CNSK1
CN3003	QCNCWXC11AFZZ	AF			Plug,11Pin
CN3004	QCNCM890NAFZZ	AH			Plug,13Pin
CN3201	QCNCM970PAFZZ	AK			Plug,14Pin
CN3203	QCNCM890CAFZZ	AC			Plug,3Pin
CN3301	QCNCWXM24AFZZ	AG			Socket,24Pin
CN3701	QCNCM970GAFZZ	AG			Plug,7Pin
CN3702	QCNCM970BAFZZ	AD			Plug,2Pin
CN3704	QCNCWXT06AFZZ	AD			Plug,6Pin
CNP6A	QCNCWZO11AWZZ	AC			Socket,11Pin
CNP101	QCNCM705CAFZZ	AA			Plug,3Pin
CNP301	92LCONE2P5268	AB			Plug,2Pin
CNP602	92LCONE5P53253	AB			Plug,5Pin
CNP701A	QCNCWZY22AWZZ	AD			Socket,22Pin
CNP701B	QCNCWZX22AWZZ	AD			Socket,22Pin
CNP702A	QCNCWZY09AWZZ	AC			Socket,9Pin
CNP703	QCNCWYH06AWZZ	AC			Socket,6Pin
CNP704	QCNCWZY14AWZZ	AD			Socket,14Pin
CNP801	92LCONEEP5267X	AD			Plug,14Pin
CNP802	QCNCW012FAWZZ	AC			Plug,6Pin
⚠ CNP805	QCNCM049BAWZZ	AC			Plug,2Pin
CNP901	QCNCW012EAWZZ	AC			Socket,5Pin
CNP971	92LCONE2P53253	AB			Plug,2Pin
CNP7001	92LCONE8P53253	AC			Plug,8Pin
CNP7002	92LCONE2P5268	AB			Plug,2Pin
CNP7003	92LCONE3P53253	AB			Plug,3Pin
CNP7004	92LCONE2P53253	AB			Plug,2Pin
CNP7081	QCNCWZO11AWZZ	AC			Socket,11Pin
CNP7082	QCNCWZX14AWZZ	AD			Socket,14Pin
CNP7083	QCNCWYP11AWZZ	AE			Socket,11Pin
CNPK1	92LCONEBP53253	AC			Plug,11Pin
CNS3A/B	QCNWNA087AWPZ	AF			Connector Ass'y,6/6Pin
CNS971	QCNWNA080AWPZ	AC			Connector Ass'y,2Pin
CNS3701	QCNWNA083AWPZ	AH			Connector Ass'y,7Pin
CNS3702	QCNWNA064AWPZ	AE			Connector Ass'y,2Pin
⚠ F801	QFS-D502ABGNI	AC			Fuse,T5A L 250V
⚠ F802	QFS-D502ABGNI	AC			Fuse,T5A L 250V
⚠ F803	QFS-D202ABGNI	AC			Fuse,T2A L 250V
⚠ F804	QFS-D202ABGNI	AC			Fuse,T2A L 250V
⚠ F805	QFS-D502ABGNI	AC			Fuse,T5A L 250V
⚠ F806	QFS-D252ABGNI	AE			Fuse,T2.5A L 250V
⚠ F807	QFS-D252ABGNI	AE			Fuse,T2.5A L 250V
FFC1	QCNWN2700AWPZ	AE			Flat Cable,16Pin
FFC4	QCNWN2701AWPZ	AD			Flat Cable,11Pin
FFC701	QCNWN2719AWPZ	AF			Flat Cable,22Pin
FFC702	QCNWN2496AWZZ	AD			Flat Cable,9Pin
FFC703	QCNWN2723AWPZ	AD			Flat Cable,6PiN
FFC704	QCNWN2718AWPZ	AF			Flat Cable,14Pin
FFC3301	QCNWNA069AWPZ	AG			Flat Cable,24Pin
FFC7081	QCNWN2701AWPZ	AD			Flat Cable,11Pin
FFC7082	QCNWN2717AWPZ	AF			Flat Cable,14Pin
FFC7083	QCNWNA067AWPZ				Flat Cable,11Pin
FJ1	RCORFA001AWZZ	AB			Core
FL701	VVKNA11SS55-1	AV			FL Display
FW705	QCNWN2712AWPZ	AD			Flat Wire,6Pin
FW901	QCNWN2711AWPZ	AD			Flat Wire,5Pin
IC501	VHPTOTX141/-1	AK			Digital Out Terminal,TOTX141
JK1	QJAKJ0012AWZZ	AF			Jack,Mic
JK2	QJAKJ0012AWZZ	AF			Jack,Mic
JK690	QSOCJ0313AWZZ	AF			Jack,Game Input
JK691	QSOCJ0120AWZZ	AD			Jack,Video Out
JK692	QJAKM0004AWZZ	AK			Jack,Headphones
JOG701	QSW-ZA001AWZZ	AE			Switch,Jog Type [Volume]
LG1	QLUGPA001AWZZ	AC			Lug Terminal

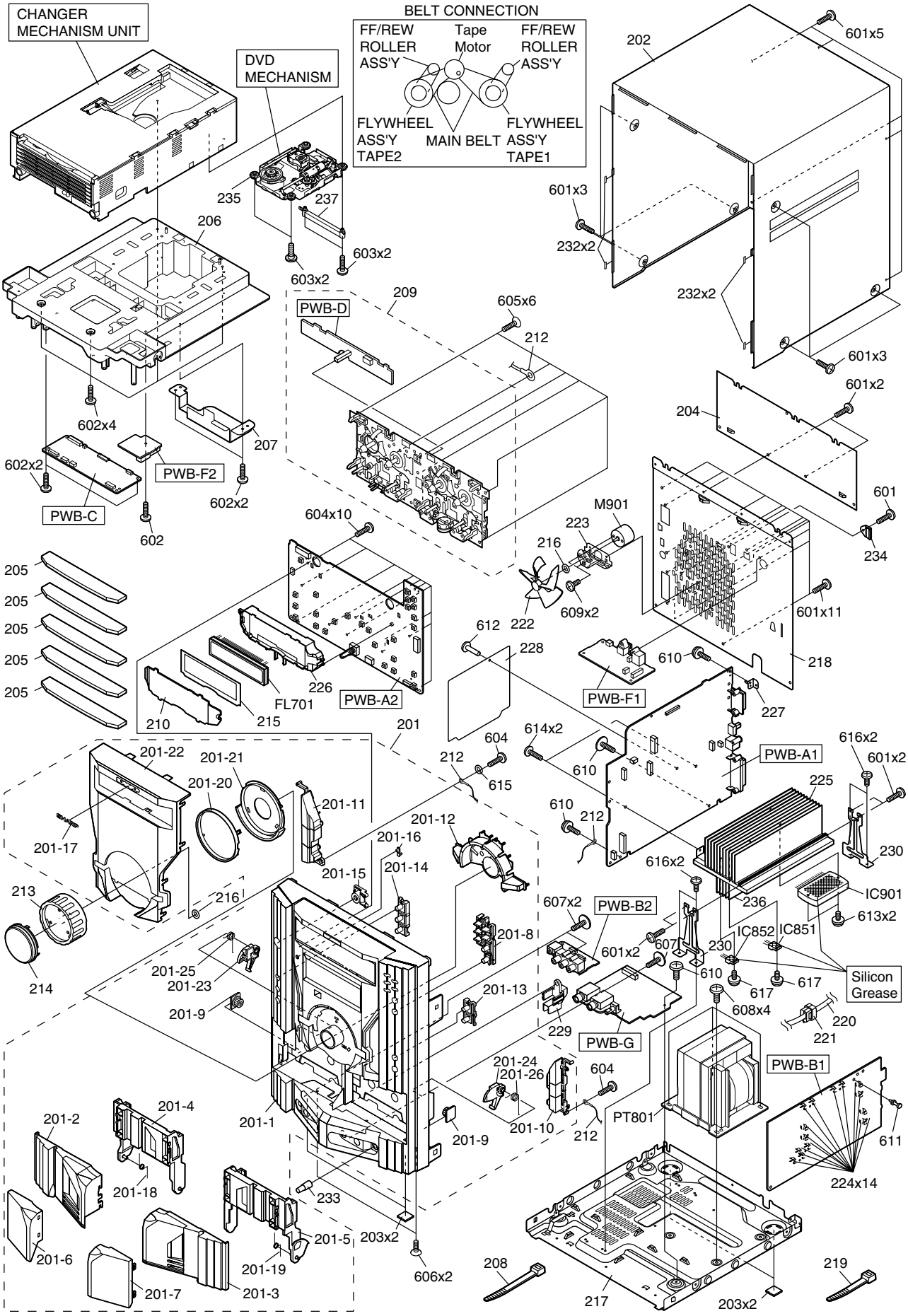
	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[10] OTHER CIRCUITRY PARTS					
	LG2	QLUGPA001AWZZ	AC			Lug Terminal
	LG3	QLUGPA001AWZZ	AC			Lug Terminal
	LG4	QLUGPA001AWZZ	AC			Lug Terminal
	M1	92LMTR5529AASY	AD			Motor with Gear [Tray]
	M2	92LMTR5529AASY	AD			Motor with Gear [Main Cam]
	M901	RMOTV0059AWZZ	AL			Motor Air Cooling,Fan
	NM1	92LMTR5515CASY	AS			Motor with Chassis [Spindle]
	NM2	92LMTR1854BASY	AP			Motor with Gear [Sled]
	NSW1	QSW-F9001AW01	AD			Switch,Push Type [Pickup In]
⚠	RL841	RRLYD0018AWZZ	AH			Relay
	RL914	RRLYD0016AWZZ	AH			Relay
	RX1	VHPGP1S094HCZ	AF			Photo Interrupter,GP1S094HCZ
	RX701	VHLPIC3704/-1	AG			Remote Sensor,PIC3704
	SO302	QTANC0206AWZZ	AD			Terminal,FM Antenna
	SO902	QTANA0424AWZZ	AE			Terminal,Speaker
	SO7001	QSOCDA001AWZZ				Terminal,S-Video
	SW1	QSW-P9003AWZZ	AD			Switch,Push Type [Clamp]
	SW2	QSW-P9003AWZZ	AD			Switch,Push Type [Tray SW1]
	SW3	QSW-P9003AWZZ	AD			Switch,Push Type [Tray SW2]
	SW4	QSW-P9006AWZZ	AF			Switch,Push Type [Disc]
	SW601	QSW-S0024AWZZ	AE			Switch,Slide Type
	SW701	92LSWICH1401AT	AC			Switch,Key Type [Power On/Stand-by]
	SW702	92LSWICH1401AT	AC			Switch,Key Type [Clock/Timer]
	SW703	92LSWICH1401AT	AC			Switch,Key Type [Tuning Up]
	SW704	92LSWICH1401AT	AC			Switch,Key Type [Tuning Down]
	SW705	92LSWICH1401AT	AC			Switch,Key Type [Fast Rewind/Preset Down]
	SW706	92LSWICH1401AT	AC			Switch,Key Type [Equalizer]
	SW707	92LSWICH1401AT	AC			Switch,Key Type [Fast Forward/Preset Up]
	SW708	92LSWICH1401AT	AC			Switch,Key Type [Reverse Mode]
	SW712	92LSWICH1401AT	AC			Switch,Key Type [Tuner (Band)]
	SW713	92LSWICH1401AT	AC			Switch,Key Type [DVD]
	SW714	92LSWICH1401AT	AC			Switch,Key Type [Tape]
	SW715	92LSWICH1401AT	AC			Switch,Key Type [Game/Video]
	SW716	92LSWICH1401AT	AC			Switch,Key Type [X-Bass/Demo]
	SW724	92LSWICH1401AT	AC			Switch,Key Type [Reverse Play]
	SW725	92LSWICH1401AT	AC			Switch,Key Type [Play/Repeat]
	SW726	92LSWICH1401AT	AC			Switch,Key Type [Stop]
	SW727	92LSWICH1401AT	AC			Switch,Key Type [Rec/Pause]
	SW728	92LSWICH1401AT	AC			Switch,Key Type [Memory/Set]
	SW729	92LSWICH1401AT	AC			Switch,Key Type [Open/Close]
	SW730	92LSWICH1401AT	AC			Switch,Key Type [Direct Play]
	SW731	92LSWICH1401AT	AC			Switch,Key Type [Disc2]
	SW732	92LSWICH1401AT	AC			Switch,Key Type [Disc4]
	SW733	92LSWICH1401AT	AC			Switch,Key Type [Disc5]
	SW734	92LSWICH1401AT	AC			Switch,Key Type [Disc3]
	SW735	92LSWICH1401AT	AC			Switch,Key Type [Disc1]
⚠	SW801	QSOCE0008AWZZ	AH			Switch,Rotary Type [Voltage Selector]
	VD301	VHCSVC347S/-1	AG			Variable Capacitance,SVC347S
	VD302	VHCSVC230C/-1	AD			Variable Capacitance,SVC230C
	VD303	VHCSVC230C/-1	AD			Variable Capacitance,SVC230C
	VRK1	RVR-G0001AWZZ	AD			20 kohms (B) [Mic Volume]
	WTM705	QCNCW019FAWZZ	AB			Socket,6Pin
	WTM901	QCNCW019EAWZZ	AB			Socket,5Pin

[11] CHANGER MECHANISM PARTS



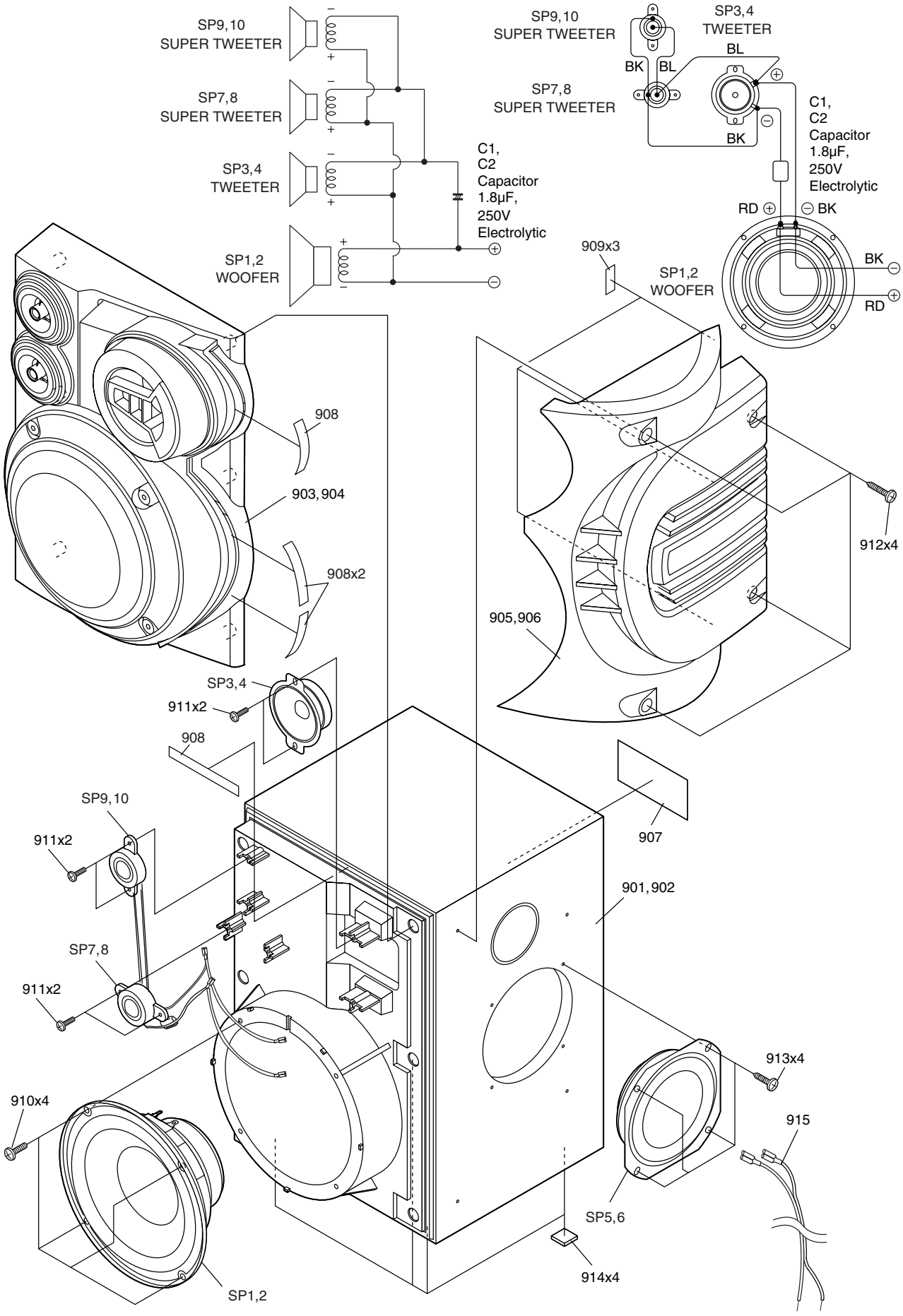
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] CHANGER MECHANISM PARTS					
101	GCOVA1513AWZZ	AF			Disc Tray
102	GCOVA1514AWZZ	AF			Guide Tray
103	LANGG0008AWZZ	AD			Outer Tray Guide
104	LANGG0009AWZZ	AC			Inner Tray Guide
105	LCHSM0194AWZZ	AP			Main Base
106	LHLDZ9018AWZZ	AF			DVD Mechanism Holder
107	LPLTP0014AWZZ	AK			Top Plate
108	LPLTP0015AWZZ	AG			Gear Plate
109	MHOLD5655ASY				Up/Down Holder Ass'y
109- 1	LHLDM9002AWZZ	AD			Stabilizer
109- 2	LHLDZ9019AWM1	AK			Up/Down Holder Ass'y
109- 3	LPLTM0018AWZZ	AB			Stabilizer Plate
109- 4	LPLTMA001AWFW	AC			Plate
109- 5	PMAGF0003AWZZ	AF			Magnet
110	MLEVP0129AWZZ	AC			Tray Lock Lever
111	MLEVP0130AWZZ	AG			Gear Up/Down Board
112	MLEVP0131AWZZ	AD			Mechanism Up/Down Board (L)
113	MLEVP0132AWZZ	AD			Mechanism Up/Down Board (R)
114	MLEVP0133AWZZ	AC			Mechanism Clamp Board
115	MLEVP0134AWZZ	AD			L/R Joint Lver
116	MLEVP0135AWZZ	AC			Tray Set Lever
117	MLEVP0136AWZZ	AC			Mechanism Clamp Switch Lever
118	MLEVP0137AWZZ	AC			Mechanism Clamp Switch Arm
119	MLEVP0138AWZZ	AB			Inner GR Up/Down Lever
120	MLEVP0139AWZZ	AC			Outer GR Up/Down Lever
121	MSPRC0044AWFJ	AB			Shift Spring
122	MSPRD0191AWFJ	AC			Disc Stop Spring
123	MSPRD0192AWFJ	AB			Balance Spring
124	NGERH0176AWZZ	AF			Tray Big Gear
125	NGERH0177AWZZ	AC			Tray Front Gear A
126	NGERH0178AWZZ	AC			Tray Front Gear B
127	NGERH0179AWZZ	AC			Tray Rear Gear A
128	NGERH0180AWZZ	AB			Tray Rear Gear B
129	NGERH0181AWZZ	AC			Mechanism Clamp Gear A
130	NGERH0182AWZZ	AC			Mechanism Clamp Joint Gear
131	NGERH0183AWZZ	AC			Mechanism Clamp Board Gear
132	NGERH0184AWZZ	AC			Tray Rear Joint Gear A
133	NGERH0185AWZZ	AC			Tray Rear Joint Gear B
134	NGERH0186AWZZ	AC			Tray Rear Joint Gear C
135	NGERH0187AWZZ	AB			Tray Rear Drive Gear
136	NGERH0188AWZZ	AC			Tray Drive Gear
137	NGERH0189AWZZ	AB			Tray Front Drive Gear
138	NGERH0190AWZZ	AC			Tray Front Joint Gear
139	NGERH0191AWZZ	AE			Mode Big Gear
140	NGERH0192AWZZ	AC			G-Up/Down Gear A
141	NGERH0193AWZZ	AC			G-Up/Down Gear B
142	NGERH0194AWZZ	AB			Mechanism Up/Down Gear A
143	NGERH0195AWZZ	AC			Mechanism Up/Down Gear B
144	NGERH0196AWZZ	AC			Mechanism Clamp Switch Gear
145	NGERH0198AWZZ	AB			Reduction Gear A
146	NGERH0199AWZZ	AB			Reduction Gear B
147	NGERH0200AWZZ	AB			Reduction Gear C
148	NGERH0201AWZZ	AB			Reduction Gear D
149	NGERH0202AWZZ	AB			Up/Down Reduction Gear E
150	NGERH0203AWZZ	AB			Up/Down Reduction Gear F
151	NGERH0204AWZZ	AB			Tray Reduction Gear E
152	NSFTT0084AWFD	AD			Shaft,Main Base
801	LX-BZA006AWFD	AB			Screw,Special
803	XEBSD20P10000	AA			Screw,M2x10mm
804	XEBSD30P10000	AA			Screw,M3x10mm
M1	92LMTR5529AASY	AD			Motor with Gear [Tray]
M2	92LMTR5529AASY	AD			Motor with Gear [Main Cam]
SW1	QSW-P9003AWZZ	AD			Switch,Push Type [CLAMP]
SW2	QSW-P9003AWZZ	AD			Switch,Push Type [TRAY SW1]
SW3	QSW-P9003AWZZ	AD			Switch,Push Type [TRAY SW2]
SW4	QSW-P9006AWZZ	AF			Switch,Push Type [DISC]

[12] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] CABINET PARTS					
201	CCABA5538AW01				Front Panel Ass'y [CD-DV999W]
201	GCABA5554AW01				Front Panel Ass'y [CD-DV777W]
201- 1	--------				Front Panel (Not Replacement Item)
201- 2	GCOVA1521AWSA	AK			Cover,Cassette [Tape 1]
201- 3	GCOVA1522AWSA	AK			Cover,Cassette [Tape 2]
201- 4	GDORF0127AWSA	AE			Holder,Cassette [Tape 1]
201- 5	GDORF0128AWSA	AE			Holder,Cassette [Tape 2]
201- 6	HDECQ1108AWSA	AE			Panel,Cassette [Tape 1]
201- 7	HDECQA068AWSA	AE			Panel,Cassette [Tape 2]
201- 8	JKNBZ0982AWSA	AE			Button,Disc Number
201- 9	MLIF-A001AWZZ	AD			Damper
201-10	JKNBZA032AWSA	AM			Button,Operation A
201-10	JKNBZ0992AWSA	AF			Button,Operation A [CD-DV777W]
201-11	JKNBZA033AWSA	AM			Button,Operation B
201-11	JKNBZ0993AWSA	AF			Button,Operation B [CD-DV777W]
201-12	JKNBZ0985AWSA	AE			Button,Function
201-13	JKNBZ0986AWSA	AE			Button,Memory
201-14	JKNBZ0987AWSA	AE			Button,Tuning
201-15	JKNBZ0991AWSA	AF			Button,Power
201-16	GCOVA1533AWSA	AC			Cover,Timer
201-17	HBDGB1007AWSA	AD			Badge,SHARP
201-18	MSPRDA002AWFJ	AB			Spring,Cassette [Tape 1]
201-19	MSPRDA003AWFJ	AB			Spring,Cassette [Tape 2]
201-20	HDECQA039AWSA	AH			Volume Knob Ring,A
201-21	HDECQ1106AWSA	AF			Volume Knob Ring,B
201-22	HDECQA031AWSA				Decoration Plate,Amp. [CD-DV999W]
201-22	HDECQA057AWSA				Decoration Plate,Amp. [CD-DV777W]
201-23	MLOKC0014AWZZ	AC			Lock,Cassette [Tape 1]
201-24	MLOKC0015AWZZ	AC			Lock,Cassette [Tape 2]
201-25	MSPRD0196AWFJ	AB			Spring,Cassette Lock [Tape 1]
201-26	MSPRD0197AWFJ	AC			Spring,Cassette Lock [Tape 2]
202	GCAB-3101AWSA	AY			Cabinet,Top/Side
203	PCUSG0022AWZZ	AB			Cushion,Leg
204	GITARA117AWSA	AK			Rear Panel,B [CD-DV999W]
204	GITARA123AWSA				Rear Panel,B [CD-DV777W]
205	GCOVA1520AWSA	AG			Cover,DVD Tray
206	LCHSZ0025AWZZ	AM			Chassis,Changer
207	PSLDMA009AWFW	AG			Shield,Dust Cover
208	92LNBAND1318A	AA			Nylon Band,80mm
209	KMECBA002AWZZ	BF			Tape Mechanism Ass'y
210	HDECQA033AWSA	AE			Panel,Edge Light
212	QCNWN1860AWZZ	AC			Lug Wire
213	JKNBK0103AWSA	AD			Knob,Volume
214	HDECQ1104AWSA	AL			Cover,Volume Knob
215	PSHEPA007AWZZ	AE			Sheet,Edge Light
216	92LCSPR1431C	AA			Spring,Ring
217	LCHSM0198AWFW	AQ			Chassis,Main [CD-DV777W]
217	LCHSM0201AWFW	AR			Chassis,Main [CD-DV999W]
218	GITARA100AWSA	AP			Rear Panel,A [CD-DV999W]
218	GITARA119AWSA	AN			Rear Panel,A [CD-DV777W]
219	LBND-1011AWZZ	AA			Nylon Band
⚠ 220	QACCE0015AW00	AK			AC Power Supply Cord
221	LBSHC0002AWZZ	AD			Bushing,AC Power Supply Cord
222	NFANP0001AWZZ	AD			Rotary Fan
223	LANGK0437AWFW	AE			Bracket,Fan Support A
⚠ 224	QFSHD0001AWZZ	AB			Holder,Fuse
225	PRDAR0320AWFW	AV			Heat Sink
226	LHLDZ9023AWZZ	AD			Holder,Edge Light
227	LANGT0042AWFW	AC			Bracket,PWB Support
228	PSHEPA019AWZZ	AF			Fiber Sheet,Main PWB
229	LHLDZA004AWZZ	AC			Holder,Rib Support
230	LANGK0435AWFW	AF			Bracket,Heat Sink Support
232	PFLT-A006AWZZ	AB			Felt
233	JKNBKA003AWSA	AE			Knob,Mic Volume
234	GCOVD1006AWSA	AH			Cover,Terminal
235	DVDTCH5538ASY1				DVD Mechanism Unit Ass'y
236	PRDARA035AWFW	AD			Sub Heat Sink
237	LANGKA011AWZZ				Holder,DVD Mechanism
601	XJBSD30P10000	AA			Screw,M3x10mm
602	XEBSD30P10000	AA			Screw,M3x10mm
604	XEBSD26P10000	AA			Screw,M2.6x10mm
605	XESSD30P10000	AA			Screw,M3x10mm
606	XJSSD30P08000	AA			Screw,M3x8mm
607	LX-EZ0010AWFD	AA			Screw,Special
608	XHBSD40P08000	AA			Screw,M4x8mm
609	XBBSD20P04000	AA			Screw,M2x4mm
610	LX-JZ0010AFFD	AA			Screw,M3x10mm
611	LX-LZA002AWZZ	AD			Push Rivet
612	LX-LZ0002AW00	AC			Snap Rivet
613	LX-JZ0037AWFD	AB			Screw,M3x18mm
614	LX-JZ0044AWFF	AB			Screw,M3x10mm
615	XWHSD32-10080	AA			Washer,M3.2xM8x1mm
616	XHBSD30P06000	AA			Screw,M3x6mm
617	LX-JZ0036AWFD	AB			Screw,Special

[13] SPEAKER BOX PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] SPEAKER BOX PARTS					
901	GBOXLA009AWSB	BF			Speaker Box Ass'y,Left [CP-DV999W]
901	GBOXLA023AWSB	BE			Speaker Box Ass'y,Left [CP-DV777W]
902	GBOXRA009AWSB	BF			Speaker Box Ass'y,Right [CP-DV999W]
902	GBOXRA023AWSB	BE			Speaker Box Ass'y,Right [CP-DV777W]
903	CPNLSA005AW01	BD			Front Panel Ass'y,Left [CP-DV999W]
903	CPNLSA005AW03	BD			Front Panel Ass'y [CP-DV777W]
904	CPNLSA006AW01	BD			Front Panel Ass'y,Right [CP-DV999W]
904	CPNLSA006AW03	BD			Front Panel Ass'y [CP-DV777W]
905	HPNLSA007AWSA	AX			Side Panel,Left
906	HPNLSA008AWSA	AX			Side Panel,Right
907	TSPC-A062AWZZ	AC			Label,Specifications [CP-DV999W]
907	TSPC-A180AWZZ				Label,Specifications [CP-DV777W]
908	PFLT-0046AWZZ	AC			Felt
909	PFLT-0079AWZZ	AG			Felt
910	XJBSD40P16000	AB			Screw,M4x16mm
911	XJBSD30P12000	AA			Screw,M3x12mm
912	XMPSF40P35000	AC			Screw,M4x35mm
913	XMBSF40P16000	AC			Screw,M4x16mm
914	PCUSG0147AWZZ	AC			Leg Cushion
915	QCNWHA001AWZZ	AK			Speaker Cord
SP1	RSP-ZA006AWZZ	BC			Woofer [CP-DV999W]
SP1	RSP-ZA022AWZZ	BD			Woofer [CP-DV777W]
SP2	RSP-ZA006AWZZ	BC			Woofer [CP-DV999W]
SP2	RSP-ZA022AWZZ	BD			Woofer [CP-DV777W]
SP3	RSP-ZA061AWZZ	AS			Tweeter [CP-DV999W]
SP3	RSP-ZA023AWZZ	AS			Tweeter [CP-DV777W]
SP4	RSP-ZA061AWZZ	AS			Tweeter [CP-DV999W]
SP4	RSP-ZA023AWZZ	AS			Tweeter [CP-DV777W]
SP5	RSP-ZA008AWZZ	AS			Passive Radiator
SP6	RSP-ZA008AWZZ	AS			Passive Radiator
SP7	LHLDZA006AWM1	AS			Super Tweeter Ass'y (with Capacitor C1,2)
SP8	LHLDZA006AWM1	AS			Super Tweeter Ass'y (with Capacitor C1,2)
SP9	LHLDZA006AWM1	AS			Super Tweeter Ass'y (with Capacitor C1,2)
SP10	LHLDZA006AWM1	AS			Super Tweeter Ass'y (with Capacitor C1,2)
[14] ACCESSORIES/PACKING PARTS					
	SPAKAA013AWZZ	AM			Packing Add.,Top/Bottom
	SPAKZA010AWZZ	AF			Miramat Sheet
	SSAKH0053AWZZ	AC			Polyethylene Bag,Speaker
	TLABZA131AWZZ				Label,Feature,Speaker [CP-DV777W]
	TLABZA137AWZZ				Label,Feature,Speaker [CP-DV999W]
	QANTL0005AWZZ	AG			AM Loop Antenna
	QCNWG0046AWZZ	AL			Cord,Video
	SPAKAA010AWZZ	AL			Packing Add,.Left/Right
	SPAKCA040AWZZ				Packing Case [CD-DV999W]
	SPAKCA136AWZZ				Packing Case [CD-DV999W]
	SPAKP0032AWZZ	AF			Polyethylene Bag,Unit
	SPAKZA007AWZZ	AH			Spacer
	TINSZA017AWZZ				Operation Manual [CD-DV999W]
	TINSZA083AWZZ				Operation Manual [CD-DV777W]
	92LBAG1460C1	AB			Polyethylene Bag,Accessories
	92LFANT1746A	AD			FM Antenna
1	RRMCGA015AWSA	AU			Remote Control
1- 1	GFTAT1017AWSA	AG			Lid,Remote Control
[15] P.W.B. ASSEMBLY (Not Replacement Item)					
PWB-A	92LPWB5538MANS	—			Main/Display (Combined Ass'y) PWB-A1,2 [CD-DV999W]
PWB-A	92LPWB5554MANS	—			Main/Display (Combined Ass'y) PWB-A1,2 [CD-DV777W]
⚠ PWB-B	92LPWB5538PWRS	—			Power/Game Input (Combined Ass'y) PWB-B1,2 [CD-DV999W]
⚠ PWB-B	92LPWB5554PWRS	—			Power/Game Input (Combined Ass'y) PWB-B1,2 [CD-DV777W]
PWB-C	92LPWB5655DVDS	—			DVD Servo
PWB-D	--------	—			Tape Mechanism
PWB-E	QPWBF1055AWZZ	AE			5-Changer Motor (PWB Only)
PWB-F	92LPWB5538DVSS	—			S-Video/Audio Out/Sub (Combined Ass'y) PWB-F1,2
PWB-G	92LPWB5765MICS	—			Mic
[16] OTHER SERVICE PARTS					
	UDSKA0004AFZZ	AZ			CD Pickup Lens Cleaner

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
[C]				
CCABA5538AW01	12-201			
CPNLSA005AW01	13-903	BD		
CPNLSA005AW03	13-903	BD		
CPNLSA006AW01	13-904	BD		
CPNLSA006AW03	13-904	BD		
[D]				
DVDTCH5538ASY1	12-235			
[G]				
GBOXLA009AWSB	13-901	BF		
GBOXLA023AWSB	13-901	BE		
GBOXRA009AWSB	13-902	BF		
GBOXRA023AWSB	13-902	BE		
GCAB-3101AWSA	12-202	AY		
GCABA5554AW01	12-201			
GCOVA1513AWZZ	11-101	AF		
GCOVA1514AWZZ	11-102	AF		
GCOVA1520AWSA	12-205	AG		
GCOVA1521AWSA	12-201- 2	AK		
GCOVA1522AWSA	12-201- 3	AK		
GCOVA1533AWSA	12-201-16	AC		
GCOVD1006AWSA	12-234	AH		
GDORF0127AWSA	12-201- 4	AE		
GDORF0128AWSA	12-201- 5	AE		
GFTAT1017AWSA	14-1- 1	AG		
GITARA100AWSA	12-218	AP		
GITARA117AWSA	12-204	AK		
GITARA119AWSA	12-218	AN		
GITARA123AWSA	12-204			
[H]				
HBDGB1007AWSA	12-201-17	AD		
HDECQ1104AWSA	12-214	AL		
HDECQ1106AWSA	12-201-21	AF		
HDECQ1108AWSA	12-201- 6	AE		
HDECQA031AWSA	12-201-22			
HDECQA033AWSA	12-210	AE		
HDECQA039AWSA	12-201-20	AH		
HDECQA057AWSA	12-201-22			
HDECQA068AWSA	12-201- 7	AE		
HPNLSA007AWSA	13-905	AX		
HPNLSA008AWSA	13-906	AX		
[J]				
JKNBK0103AWSA	12-213	AD		
JKNBKA003AWSA	12-233	AE		
JKNBZ0982AWSA	12-201- 8	AE		
JKNBZ0985AWSA	12-201-12	AE		
JKNBZ0986AWSA	12-201-13	AE		
JKNBZ0987AWSA	12-201-14	AE		
JKNBZ0991AWSA	12-201-15	AF		
JKNBZ0992AWSA	12-201-10	AF		
JKNBZ0993AWSA	12-201-11	AF		
JKNBZA032AWSA	12-201-10	AM		
JKNBZA033AWSA	12-201-11	AM		
[K]				
KMECBA002AWZZ	12-209	BF		
[L]				
LANGG0008AWZZ	11-103	AD		
LANGG0009AWZZ	11-104	AC		
LANGK0435AWFW	12-230	AF		
LANGK0437AWFW	12-223	AE		
LANGT0042AWFW	12-227	AC		
LBND-1011AWZZ	12-219	AA		
LBSHC0002AWZZ	12-221	AD		
LCHSM0194AWZZ	11-105	AP		
LCHSM0198AWFW	12-217	AQ		
LCHSM0201AWFW	12-217	AR		
LCHSZ0025AWZZ	12-206	AM		
LHLDM9002AWZZ	11-109- 1	AD		
LHLDZ9018AWZZ	11-106	AF		
LHLDZ9019AWM1	11-109- 2	AK		
LHLDZ9023AWZZ	12-226	AD		
LHLDZA004AWZZ	12-229	AC		
LHLDZA006AWM1	13-SP7	AS		
"	13-SP8	AS		
"	13-SP9	AS		
"	13-SP10	AS		
LPLTM0018AWZZ	11-109- 3	AB		
LPLTMA001AWFW	11-109- 4	AC		
LPLTP0014AWZZ	11-107	AK		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
LPLTP0015AWZZ	11-108	AG		
LX-BZA006AWFD	11-801	AB		
LX-EZ0010AWFD	12-607	AA		
LX-JZ0010AFFD	12-610	AA		
LX-JZ0036AWFD	12-617	AB		
LX-JZ0037AWFD	12-613	AB		
LX-JZ0044AWFF	12-614	AB		
LX-LZ0002AW00	12-612	AC		
LX-LZA002AWZZ	12-611	AD		
[M]				
MHOLD5655ASY	11-109			
MLEVP0129AWZZ	11-110	AC		
MLEVP0130AWZZ	11-111	AG		
MLEVP0131AWZZ	11-112	AD		
MLEVP0132AWZZ	11-113	AD		
MLEVP0133AWZZ	11-114	AC		
MLEVP0134AWZZ	11-115	AD		
MLEVP0135AWZZ	11-116	AC		
MLEVP0136AWZZ	11-117	AC		
MLEVP0137AWZZ	11-118	AC		
MLEVP0138AWZZ	11-119	AB		
MLEVP0139AWZZ	11-120	AC		
MLIF-A001AWZZ	12-201- 9	AD		
MLOKC0014AWZZ	12-201-23	AC		
MLOKC0015AWZZ	12-201-24	AC		
MSPRC0044AWFJ	11-121	AB		
MSPRD0191AWFJ	11-122	AC		
MSPRD0192AWFJ	11-123	AB		
MSPRD0196AWFJ	12-201-25	AB		
MSPRD0197AWFJ	12-201-26	AC		
MSPRDA002AWFJ	12-201-18	AB		
MSPRDA003AWFJ	12-201-19	AB		
[N]				
NFANP0001AWZZ	12-222	AD		
NGERH0176AWZZ	11-124	AF		
NGERH0177AWZZ	11-125	AC		
NGERH0178AWZZ	11-126	AC		
NGERH0179AWZZ	11-127	AC		
NGERH0180AWZZ	11-128	AB		
NGERH0181AWZZ	11-129	AC		
NGERH0182AWZZ	11-130	AC		
NGERH0183AWZZ	11-131	AC		
NGERH0184AWZZ	11-132	AC		
NGERH0185AWZZ	11-133	AC		
NGERH0186AWZZ	11-134	AC		
NGERH0187AWZZ	11-135	AB		
NGERH0188AWZZ	11-136	AC		
NGERH0189AWZZ	11-137	AB		
NGERH0190AWZZ	11-138	AC		
NGERH0191AWZZ	11-139	AE		
NGERH0192AWZZ	11-140	AC		
NGERH0193AWZZ	11-141	AC		
NGERH0194AWZZ	11-142	AB		
NGERH0195AWZZ	11-143	AC		
NGERH0196AWZZ	11-144	AC		
NGERH0198AWZZ	11-145	AB		
NGERH0199AWZZ	11-146	AB		
NGERH0200AWZZ	11-147	AB		
NGERH0201AWZZ	11-148	AB		
NGERH0202AWZZ	11-149	AB		
NGERH0203AWZZ	11-150	AB		
NGERH0204AWZZ	11-151	AB		
NSFTT0084AWFD	11-152	AD		
[P]				
PCUSG0022AWZZ	12-203	AB		
PCUSG0147AWZZ	13-914	AC		
PFLT-0046AWZZ	13-908	AC		
PFLT-A006AWZZ	12-232	AB		
PMAGF0003AWZZ	11-109- 5	AF		
PRDAR0320AWFW	12-225	AV		
PRDARA035AWFW	12-236	AD		
PSHEPA007AWZZ	12-215	AE		
PSHEPA019AWZZ	12-228	AE		
PSLDMA009AWFW	12-207	AG		
[Q]				
QACCE0015AW00	12-220	AK		
QANTL0005AWZZ	14-	AG		
QCNCM049BAWZZ	10-CNP805	AC		
QCNCM705CAFZZ	10-CNP101	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QCNCM890CAFZZ	10-CN3203	AC		
QCNCM890NAFZZ	10-CN3004	AH		
QCNCM970BAFZZ	10-CN3702	AD		
QCNCM970GAFZZ	10-CN3701	AG		
QCNCM970PAFZZ	10-CN3201	AK		
QCNCW012EAWZZ	10-CNP901	AC		
QCNCW012FAWZZ	10-CNP802	AC		
QCNCW019EAWZZ	10-WTM901	AB		
QCNCW019FAWZZ	10-WTM705	AB		
QCNCWXC11AFZZ	10-CN3003	AF		
QCNCWXM24AFZZ	10-CN3301	AG		
QCNCWXT06AFZZ	10-CN3704	AD		
QCNCWYH06AWZZ	10-CNP703	AC		
QCNCWYP11AWZZ	10-CNP7083	AE		
QCNCWZO11AWZZ	10-CNP6A	AC		
"	10-CNP7081	AC		
QCNCWZX14AWZZ	10-CNP7082	AD		
QCNCWZX22AWZZ	10-CNP701B	AD		
QCNCWZY09AWZZ	10-CNP702A	AC		
QCNCWZY14AWZZ	10-CNP704	AD		
QCNCWZY22AWZZ	10-CNP701A	AD		
QCNWG0046AWZZ	14-	AL		
QCNWHA001AWZZ	13-915	AK		
QCNWN1860AWZZ	12-212	AC		
QCNWN1974AWZZ	10-BI102	AM		
QCNWN2496AWZZ	10-FFC702	AD		
QCNWN2700AWPZ	10-FFC1	AE		
QCNWN2701AWPZ	10-FFC4	AD		
"	10-FFC7081	AD		
QCNWN2711AWPZ	10-FW901	AD		
QCNWN2712AWPZ	10-FW705	AD		
QCNWN2714AWPZ	10-BI603	AK		
QCNWN2717AWPZ	10-FFC7082	AF		
QCNWN2718AWPZ	10-FFC704	AF		
QCNWN2719AWPZ	10-FFC701	AF		
QCNWN2721AWPZ	10-BIK1	AK		
QCNWN2723AWPZ	10-FFC703	AD		
QCNWN2731AWPZ	10-BI801			
QCNWNA001AWZZ	13-909	AY		
QCNWNA064AWPZ	10-CNS3702	AE		
QCNWNA067AWPZ	10-FFC7083			
QCNWNA069AWPZ	10-FFC3301	AG		
QCNWNA080AWPZ	10-CNS971	AC		
QCNWNA083AWPZ	10-CNS3701	AH		
QCNWNA087AWPZ	10-CNS3A/B	AF		
QCNWNA130AWPZ	10-BI601			
QFS-D202ABGNI	10-F803	AC		
"	10-F804	AC		
QFS-D252ABGNI	10-F806	AE		
"	10-F807	AE		
QFS-D502ABGNI	10-F801	AC		
"	10-F802	AC		
"	10-F805	AC		
QFSHD0001AWZZ	12-224	AB		
QJAKJ0012AWZZ	10-JK1	AF		
"	10-JK2	AF		
QJAKM0004AWZZ	10-JK692	AK		
QLUGPA001AWZZ	10-LG1	AC		
"	10-LG2	AC		
"	10-LG3	AC		
"	10-LG4	AC		
QPWBF1055AWZZ	15-PWB-E	AE		
QSOCDA001AWZZ	10-SO7001			
QSOCE0008AWZZ	10-SW801	AH		
QSOCJ0120AWZZ	10-JK691	AD		
QSOCJ0313AWZZ	10-JK690	AF		
QSW-F9001AW01	10-NSW1	AD		
QSW-P9003AWZZ	10-SW1	AD		
"	10-SW2	AD		
"	10-SW3	AD		
"	11-SW1	AD		
"	11-SW2	AD		
"	11-SW3	AD		
QSW-P9006AWZZ	10-SW4	AF		
"	11-SW4	AF		
QSW-S0024AWZZ	10-SW601	AE		
QSW-ZA001AWZZ	10-JOG701	AE		
QTANA0424AWZZ	10-SO902	AE		
QTANC0206AWZZ	10-SO302	AD		
[R]				
RBLN-0061TAZZ	6-R3606	AB		
"	6-FB3003	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	6-FB3401	AB		
"	6-FB3402	AB		
"	6-FB3601	AB		
"	6-FB3602	AB		
"	6-FB3603	AB		
"	6-FB3606	AB		
"	6-FB3801	AB		
RC-EZ0029AWZZ	8-C920	AN		
"	8-C923	AN		
RC-EZ0065AWZZ	8-C921	AN		
"	8-C922	AN		
RC-EZ0106AWZZ	8-C921	AH		
"	8-C922	AH		
RC-EZ0124AWZZ	8-C920	AR		
"	8-C923	AR		
RC-EZ0130AWZZ	8-C3801	AG		
RC-EZ0149AWZZ	8-C812	AC		
RC-EZ0159AWZZ	8-C816	AC		
RC-EZ0475GEZZ	8-C3058	AD		
"	8-C3059	AD		
"	8-C3068	AD		
"	8-C3805	AD		
RC-EZ3006AWZZ	8-C850	AL		
RCILA0052AWZZ	5-T303	AE		
RCILB0065AWZZ	5-T301	AC		
RCILB0067AWZZ	5-T306	AD		
RCILI0017AWZZ	5-T302	AB		
RCILI0019AWZZ	5-T351	AD		
RCILR0056AWZZ	6-L312	AB		
RCILZ0022AWZZ	6-L841	AG		
RCILZ0024AWZZ	6-L901	AC		
"	6-L902	AC		
RCILZ0082AWZZ	6-L801	AF		
RCILZ0137AFZZ	6-L920	AA		
"	6-L921	AA		
RCORFA001AWZZ	10-FJ1	AB		
RCRSCA015WJZZ	7-X3601	AK		
RCRSP0003AWZZ	7-XL701	AH		
RCRSP0019AWZZ	7-X352	AF		
RFILA0009AWZZ	4-CF352	AE		
RFILF0003AWZZ	4-CF351	AK		
RFILF0124AFZZ	4-CF303	AD		
RFILR0008AWZZ	4-BF301	AE		
RH-IX0614AWZZ	1-IC3401	AZ		
RH-IXA004AWZZ	1-IC701	AX		
RH-IXA173WJZZ	1-IC3501	AZ		
RH-IXA464WJZZ	1-IC3001	BS		
RMOTV0059AWZZ	10-M901	AL		
RRLYD0016AWZZ	10-RL914	AH		
RRLYD0018AWZZ	10-RL841	AH		
RRMCGA015AWSA	14-1	AU		
RSP-ZA006AWZZ	13-SP1	BC		
"	13-SP2	BC		
RSP-ZA007AWZZ	13-SP3	AS		
"	13-SP4	AS		
RSP-ZA008AWZZ	13-SP5	AS		
"	13-SP6	AS		
RSP-ZA022AWZZ	13-SP1	BD		
"	13-SP2	BD		
RSP-ZA023AWZZ	13-SP3	AS		
"	13-SP4	AS		
RTRNP0520AWZZ	5-PT801	BM		
RTRNP0524AWZZ	5-PT801	BG		
RVR-G0001AWZZ	10-VRK1	AD		
[S]				
SPAKAA010AWZZ	14-	AL		
SPAKAA013AWZZ	14-	AM		
SPAKCA040AWZZ	14-			
SPAKCA136AWZZ	14-			
SPAKP0032AWZZ	14-	AF		
SPAKZA007AWZZ	14-	AH		
SPAKZA010AWZZ	14-	AF		
SSAKH0053AWZZ	14-	AC		
[T]				
TINSZA017AWZZ	14-			
TINSZA083AWZZ	14-			
TLABZA131AWZZ	14-			
TLABZA137AWZZ	14-			
TSPC-A062AWZZ	13-907			
TSPC-A180AWZZ	13-907			
[U]				
UDSKA0004AFZZ	16-	AZ		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
[V]				
VCCCCY1HH100D	8-C303	AA		
"	8-C3107	AA		
"	8-C3109	AA		
"	8-C3111	AA		
VCCCCY1HH101J	8-C907	AA		
"	8-C913	AA		
VCCCCY1HH120J	8-C381	AA		
VCCCCY1HH150J	8-C310	AA		
"	8-C330	AA		
"	8-C382	AA		
"	8-C704	AA		
VCCCCY1HH180J	8-C311	AA		
"	8-C705	AA		
"	8-C3100	AA		
"	8-C3108	AA		
"	8-C3110	AA		
VCCCCY1HH181J	8-C104	AA		
VCCCCY1HH220J	8-C313	AA		
"	8-C334	AA		
"	8-C355	AA		
VCCCCY1HH221J	8-C3038	AA		
VCCCCY1HH270J	8-C369	AA		
VCCCCY1HH330J	8-C3052	AA		
VCCCCY1HH331J	8-C3047	AA		
VCCCCY1HH3R0C	8-C908	AA		
"	8-C910	AA		
VCCCCY1HH4R7C	8-C305	AA		
"	8-C308	AA		
"	8-C324	AA		
VCCCCY1HH9R0D	8-C3604	AA		
"	8-C3605	AA		
VCCSBT1HL470J	8-C383	AA		
VCCSPA1HL101J	8-CK49	AA		
"	8-CK50	AA		
VCCSPA1HL221J	8-CK47	AA		
"	8-CK48	AA		
VCCSPA1HL470J	8-CK33	AA		
"	8-CK34	AA		
"	8-CK35	AA		
"	8-C7003	AA		
"	8-C7004	AA		
"	8-C7005	AA		
VCEAPS107AF0J	8-C3606	AC		
VCEAPS107AF1A	8-C3705	AD		
"	8-C3710	AD		
"	8-C3712	AD		
VCEAPS476AF0J	8-C3302	AC		
"	8-C3303	AC		
VCEAZA0JW108M	8-C667	AC		
"	8-C702	AC		
VCEAZA1AW107M	8-C396	AB		
"	8-C398	AB		
VCEAZA1AW227M	8-C134	AC		
"	8-C603	AC		
"	8-CK17	AC		
VCEAZA1AW476M	8-C7001	AB		
VCEAZA1AW477M	8-C7009	AC		
"	8-C7011	AC		
VCEAZA1CW106M	8-C662	AC		
"	8-C663	AC		
"	8-C665	AC		
VCEAZA1CW107M	8-C141	AC		
"	8-C664	AC		
"	8-C669	AC		
"	8-CK18	AC		
"	8-CK40	AC		
"	8-CK41	AC		
VCEAZA1CW227M	8-C601	AC		
VCEAZA1EW226M	8-C133	AB		
"	8-C817	AB		
"	8-C864	AB		
"	8-C865	AB		
VCEAZA1EW227M	8-C854	AC		
VCEAZA1EW476M	8-C111	AB		
"	8-C112	AB		
"	8-C117	AB		
"	8-C118	AB		
"	8-C131	AB		
"	8-C132	AB		
"	8-C140	AB		
"	8-C391	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	8-C394	AB		
"	8-C717	AB		
"	8-C866	AB		
"	8-C872	AB		
"	8-C874	AB		
"	8-C944	AB		
"	8-CK43	AB		
"	8-CK44	AB		
"	8-CK53	AB		
VCEAZA1HW104M	8-C946	AB		
VCEAZA1HW105M	8-C358	AB		
"	8-C367	AB		
"	8-C368	AB		
"	8-C370	AB		
"	8-C371	AB		
"	8-C372	AB		
"	8-C393	AB		
"	8-C609	AB		
"	8-C610	AB		
"	8-C613	AB		
"	8-C614	AB		
"	8-C617	AB		
"	8-C618	AB		
"	8-C619	AB		
"	8-C620	AB		
"	8-C621	AB		
"	8-C622	AB		
"	8-C623	AB		
"	8-C624	AB		
"	8-C639	AB		
"	8-C670	AB		
"	8-C671	AB		
"	8-C701	AB		
"	8-C707	AB		
VCEAZA1HW106M	8-C307	AB		
"	8-C352	AB		
"	8-C380	AB		
"	8-C855	AB		
"	8-C873	AB		
"	8-C931	AB		
"	8-C871A	AB		
VCEAZA1HW107M	8-C916	AC		
"	8-C918	AC		
VCEAZA1HW225M	8-CK9	AB		
"	8-C357	AB		
"	8-C362	AB		
"	8-C364	AB		
"	8-C901	AB		
"	8-C902	AB		
"	8-CK12	AB		
"	8-CK24	AB		
"	8-CK25	AB		
"	8-CK26	AB		
"	8-CK29	AB		
"	8-CK30	AB		
"	8-CK45	AB		
"	8-CK46	AB		
"	8-CK72	AB		
VCEAZA1HW226M	8-C125	AB		
"	8-C126	AB		
"	8-C640	AB		
"	8-C859	AB		
VCEAZA1HW335M	8-C143	AB		
"	8-C714	AB		
VCEAZA1HW474M	8-CK7	AB		
"	8-CK70	AB		
VCEAZA1HW475M	8-CK8	AB		
"	8-C615	AB		
"	8-C616	AB		
"	8-C901	AB		
"	8-C902	AB		
"	8-CK71	AB		
VCEAZA1HW476M	8-C150	AB		
"	8-C802	AB		
"	8-C803	AB		
"	8-C905	AB		
"	8-C906	AB		
"	8-C925	AB		
"	8-CK51	AB		
"	8-CK52	AB		
VCEAZA1JW227M	8-C804	AD		
VCEAZA1VW107M	8-C801	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCEAZA2AW107M	8-C911	AD		
"	8-C912	AD		
"	8-C914	AD		
"	8-C915	AD		
VCEAZA2AW226M	8-C805	AC		
VCFYDA2AA224J	8-C810	AD		
"	8-C811	AD		
VCFYFA1HA104J	8-C605	AC		
"	8-C606	AC		
"	8-CK10	AC		
"	8-CK11	AC		
"	8-CK54	AC		
"	8-CK73	AC		
"	8-CK74	AC		
"	8-CK75	AC		
VCFYFA1HA154J	8-CK31	AB		
VCFYFA1HA224J	8-C926	AC		
"	8-C927	AC		
"	8-C928	AC		
"	8-C929	AC		
"	8-CK16	AC		
"	8-CK20	AC		
VCFYFA1HA683J	8-CK15	AB		
"	8-CK21	AB		
VCFYFA1HA823J	8-C607	AB		
"	8-C608	AB		
VCKYBT1HB101K	8-C318	AA		
VCKYBT1HB102K	8-C320	AA		
"	8-C389	AA		
VCKYBT1HB103K	8-C631	AB		
VCKYBT1HB181K	8-C103	AA		
VCKYCY0JB105K	8-C3019	AC		
"	8-C3025	AC		
"	8-C3039	AC		
"	8-C3040	AC		
"	8-C3041	AC		
"	8-C3062	AC		
VCKYCY1CB104K	8-C3001	AB		
"	8-C3003	AB		
"	8-C3004	AB		
"	8-C3006	AB		
"	8-C3007	AB		
"	8-C3009	AB		
"	8-C3010	AB		
"	8-C3013	AB		
"	8-C3014	AB		
"	8-C3015	AB		
"	8-C3017	AB		
"	8-C3018	AB		
"	8-C3020	AB		
"	8-C3022	AB		
"	8-C3023	AB		
"	8-C3028	AB		
"	8-C3030	AB		
"	8-C3035	AB		
"	8-C3037	AB		
"	8-C3042	AB		
"	8-C3043	AB		
"	8-C3046	AB		
"	8-C3049	AB		
"	8-C3050	AB		
"	8-C3051	AB		
"	8-C3054	AB		
"	8-C3055	AB		
"	8-C3056	AB		
"	8-C3057	AB		
"	8-C3060	AB		
"	8-C3061	AB		
"	8-C3063	AB		
"	8-C3065	AB		
"	8-C3066	AB		
"	8-C3301	AB		
"	8-C3304	AB		
"	8-C3401	AB		
"	8-C3402	AB		
"	8-C3406	AB		
"	8-C3408	AB		
"	8-C3409	AB		
"	8-C3412	AB		
"	8-C3501	AB		
"	8-C3502	AB		
"	8-C3503	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	8-C3504	AB		
"	8-C3601	AB		
"	8-C3602	AB		
"	8-C3603	AB		
"	8-C3703	AB		
"	8-C3706	AB		
"	8-C3708	AB		
"	8-C3711	AB		
"	8-C3803	AB		
"	8-C3804	AB		
"	8-C3906	AB		
VCKYCY1CB333K	8-C3053	AA		
VCKYCY1EB103K	8-C3036	AA		
"	8-C3048	AA		
VCKYCY1EB183K	8-C3045	AB		
VCKYCY1EF223Z	8-C121	AB		
"	8-C135	AB		
"	8-C306	AB		
"	8-C312	AB		
"	8-C316	AB		
"	8-C323	AB		
"	8-C332	AB		
"	8-C342	AB		
"	8-C347	AB		
"	8-C350	AB		
"	8-C351	AB		
"	8-C353	AB		
"	8-C354	AB		
"	8-C361	AB		
"	8-C363	AB		
"	8-C387	AB		
"	8-C395	AB		
"	8-C397	AB		
"	8-C399	AB		
"	8-C720	AB		
"	8-C721	AB		
"	8-C3709	AB		
VCKYCY1EF473Z	8-C723	AB		
"	8-C727	AB		
"	8-C730	AB		
"	8-C732	AB		
VCKYCY1HB102K	8-C302	AA		
"	8-C309	AA		
"	8-C317	AA		
"	8-C338	AA		
"	8-C356	AA		
"	8-C366	AA		
"	8-C384	AA		
"	8-C388	AA		
"	8-C392	AA		
"	8-C903	AA		
"	8-C904	AA		
"	8-C3027	AA		
"	8-C3031	AA		
"	8-C3032	AA		
"	8-C3033	AA		
VCKYCY1HB103K	8-C304	AA		
"	8-C315	AA		
"	8-C385	AA		
"	8-C666	AA		
"	8-C715	AA		
"	8-C917	AA		
"	8-C919	AA		
"	8-C3707	AA		
VCKYCY1HB104K	8-C875	AD		
"	8-C876	AD		
"	8-C877	AD		
"	8-C878	AD		
"	8-C885	AD		
VCKYCY1HB152K	8-C105	AA		
"	8-C106	AA		
"	8-C3034	AA		
VCKYCY1HB221K	8-C651	AA		
"	8-C652	AA		
"	8-C653	AA		
VCKYCY1HB222K	8-C119	AA		
"	8-C120	AA		
"	8-C611	AA		
"	8-C612	AA		
"	8-C625	AA		
"	8-C626	AA		
VCKYCY1HB271K	8-C123	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	8-C124	AA		
VCKYCY1HB331K	8-C107	AA		
"	8-C108	AA		
"	8-C109	AA		
"	8-C110	AA		
"	8-C386	AA		
VCKYCY1HB332K	8-C129	AA		
"	8-C130	AA		
VCKYCY1HB473K	8-C709	AB		
"	8-C710	AB		
VCKYCY1HB561K	8-C101	AA		
"	8-C102	AA		
"	8-C115	AA		
"	8-C116	AA		
"	8-C335	AA		
VCKYCY1HB562K	8-C3044	AA		
VCKYCY1HB821K	8-C3026	AA		
VCKYCY1HF103Z	8-C722	AB		
VCKYPA1HB101K	8-C693	AA		
VCKYPA1HB102K	8-C694	AA		
"	8-C695	AA		
"	8-CK14	AA		
"	8-CK23	AA		
VCKYPA1HB103K	8-C696	AA		
VCKYPA1HB391K	8-C690	AA		
"	8-C691	AA		
VCKYPA1HF223Z	8-C602	AB		
"	8-C861	AB		
VCKZPA1HF223Z	8-CK19	AA		
"	8-CK42	AA		
"	8-C7002	AA		
VCKZPA1HF473Z	8-CK3	AA		
"	8-C331	AA		
VCQPKA2AA822J	8-C138	AA		
VCQYKA1HM104K	8-C806	AB		
"	8-C807	AB		
"	8-C808	AB		
"	8-C809	AB		
"	8-C813	AB		
"	8-C814	AB		
"	8-C815	AB		
"	8-C851	AB		
"	8-C852	AB		
"	8-C856	AB		
"	8-C909	AB		
"	8-C871B	AB		
VCQYKA1HM393K	8-C139	AB		
VCQYKA1HM473K	8-C137	AB		
VCTYPA1CX103K	8-CK1	AA		
"	8-C7008	AA		
VCTYPA1CX153K	8-C373	AA		
"	8-C374	AA		
VCTYPA1CX223K	8-C127	AA		
"	8-C128	AA		
"	8-C365	AA		
VCTYPA1CX472K	8-CK13	AA		
"	8-CK22	AA		
VCTYPA1EX393K	8-C113	AA		
"	8-C114	AA		
VHCSVC230C/-1	10-VD302	AD		
"	10-VD303	AD		
VHCSVC347S/-1	10-VD301	AG		
VHD1N4004S/-1	3-D803	AB		
"	3-D804	AB		
"	3-D805	AB		
"	3-D806	AB		
"	3-D909	AB		
"	3-D910	AB		
VHDD10XB60F-1	3-D801	AL		
"	3-D802	AL		
VHDD2S4M124-1	3-D867	AE		
VHDDAP222//-1	3-D3301	AC		
VHDDS1SS133-1	3-DK1	AB		
"	3-DK2	AB		
"	3-D301	AB		
"	3-D302	AB		
"	3-D305	AB		
"	3-D690	AB		
"	3-D691	AB		
"	3-D701	AB		
"	3-D709	AB		
"	3-D710	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	3-D711	AB		
"	3-D712	AB		
"	3-D713	AB		
"	3-D714	AB		
"	3-D715	AB		
"	3-D716	AB		
"	3-D856	AB		
"	3-D860	AB		
"	3-D861	AB		
"	3-D862	AB		
"	3-D865	AB		
"	3-D885	AB		
"	3-D905	AB		
"	3-D906	AB		
"	3-D907	AB		
"	3-D911	AB		
"	3-D912	AB		
"	3-D913	AB		
"	3-D914	AB		
VHDKDS226//-1	3-D3100	AB		
"	3-D3101	AB		
"	3-D3102	AB		
VHDMA111///-1	3-D3002	AC		
VHDRL204F//-1	3-D870	AC		
"	3-D871	AC		
VHEDZ120BSB-1	3-ZD805	AB		
"	3-ZD902	AB		
"	3-ZD903	AB		
VHEDZ300BSB-1	3-ZD803	AB		
VHEDZ5R1BSB-1	3-ZD351	AC		
VHEDZ6R2BSA-1	3-ZD801	AB		
VHEDZ6R8BSB-1	3-ZD804	AB		
VHEDZ7R5BSB-1	3-ZD802	AB		
VHEMTZJ5R6B-1	3-ZDK1	AD		
VHI7SB3157P-1	1-IC3301	AF		
VHIAN7345K/-1	1-IC101	AM		
VHIAN78L05/-1	1-IC854	AE		
VHIAN80T53/-1	1-IC851	AL		
VHIBD4825G+-1	1-IC3002	AD		
VHIBD9701T-V5	1-IC853	AM		
VHIBR24L04F-1	1-IC3602	AF		
VHIBU2363FV-1	1-IC3601	AP		
VHIKIA4558P-1	1-ICK2	AC		
VHIKIA7808AP1	1-IC852	AF		
VHILA1832S/-1	1-IC303	AN		
VHILA6261//-1	1-IC3704	AN		
VHILC72131/-1	1-IC302	AP		
VHILC75341/-1	1-IC601	AM		
VHILD1117V/-1	1-IC856	AG		
VHILD1117V33/	1-IC855	AG		
VHIM65856SP-1	1-ICK1	AX		
VHINJM12904-1	1-IC3702	AE		
VHINJM2533M-1	1-IC602	AF		
VHIPCM1748E-1	1-IC3801	AP		
VHISTK41242-1	1-IC901	BB		
VHISTK41244-1	1-IC901	BF		
VHITA7358AP-1	1-IC301	AG		
VHITC7WT126-1	1-IC3003	AF		
VHITCLV573T-1	1-IC3503	AK		
"	1-IC3504	AK		
VHLPIC3704/-1	10-RX701	AG		
VHP304VT2H3-1	3-LED701	AC		
VHPGP1S094HCZ	10-RX1	AF		
VHPSDPB50CD-1	3-LED703	AK		
VHPTOTX141/-1	10-IC501	AK		
VP-DH100K0000	6-L7001	AB		
VP-DH101K0000	6-L351	AB		
"	6-L352	AB		
"	6-L701	AB		
VP-MK331K0000	6-L103	AB		
VP-NM2R2M0000	6-L3100	AD		
"	6-L3101	AD		
"	6-L3102	AD		
VP-NM4R7M0000	6-L3201	AC		
"	6-L3301	AC		
VRD-RT2HD100J	9-R938	AA		
"	9-R939	AA		
"	9-R940	AA		
"	9-R941	AA		
VRD-RT2HD101J	9-RK14	AA		
"	9-RK15	AA		
VRD-RT2HD102J	9-R949	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRD-RT2HD152J	9-R925	AA		
"	9-R926	AA		
VRD-RT2HD222J	9-R808	AA		
VRD-RT2HD820J	9-R142	AA		
VRD-ST2CD101J	9-R661	AA		
"	9-R740	AA		
"	9-RK12	AA		
"	9-RK38	AA		
VRD-ST2CD102J	9-RK7	AA		
"	9-RK9	AA		
"	9-R113	AA		
"	9-R114	AA		
"	9-R393	AA		
"	9-R576	AA		
"	9-R577	AA		
"	9-R578	AA		
"	9-R579	AA		
"	9-R601	AA		
"	9-R602	AA		
"	9-R603	AA		
"	9-R705	AA		
"	9-R707	AA		
"	9-R708	AA		
"	9-R709	AA		
"	9-R710	AA		
"	9-R711	AA		
"	9-R712	AA		
"	9-R717	AA		
"	9-R723	AA		
"	9-R725	AA		
"	9-R730	AA		
"	9-R737	AA		
"	9-R738	AA		
"	9-R739	AA		
"	9-R741	AA		
"	9-R744	AA		
"	9-R746	AA		
"	9-R748	AA		
"	9-R753	AA		
"	9-R769	AA		
"	9-R772	AA		
"	9-R910	AA		
"	9-RD13	AA		
"	9-RD25	AA		
"	9-RK10	AA		
"	9-RK11	AA		
"	9-RK39	AA		
"	9-RK40	AA		
"	9-RK70	AA		
"	9-R871B	AA		
VRD-ST2CD103J	9-RK1	AA		
"	9-RK4	AA		
"	9-R309	AA		
"	9-R573	AA		
"	9-R589	AA		
"	9-R642	AA		
"	9-R680	AA		
"	9-R681	AA		
"	9-R745	AA		
"	9-R754	AA		
"	9-R780	AA		
"	9-R859	AA		
"	9-R893	AA		
"	9-RK41	AA		
"	9-RK42	AA		
"	9-RK48	AA		
"	9-RK49	AA		
"	9-RK50	AA		
VRD-ST2CD104J	9-R782	AA		
"	9-R801	AA		
VRD-ST2CD122J	9-RK13	AA		
VRD-ST2CD123J	9-R803	AA		
VRD-ST2CD152J	9-R918	AA		
"	9-R921	AA		
"	9-R944	AA		
"	9-R945	AA		
"	9-RD04	AA		
VRD-ST2CD153J	9-R111	AA		
VRD-ST2CD182J	9-R892	AA		
VRD-ST2CD183J	9-RK43	AA		
"	9-RK46	AA		
VRD-ST2CD220J	9-R314	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRD-ST2CD221J	9-R959	AA		
VRD-ST2CD222J	9-R704	AA		
"	9-R865	AA		
"	9-R918	AA		
"	9-R921	AA		
VRD-ST2CD223J	9-R386	AA		
"	9-R853	AA		
"	9-R857	AA		
"	9-R864	AA		
VRD-ST2CD271J	9-R7081	AA		
VRD-ST2CD331J	9-R618	AA		
"	9-R751	AA		
VRD-ST2CD332J	9-R854	AA		
VRD-ST2CD333J	9-R692	AA		
"	9-R693	AA		
"	9-RD22	AA		
"	9-R7082	AA		
VRD-ST2CD391J	9-RK36	AA		
"	9-RK37	AA		
VRD-ST2CD392J	9-R358	AA		
"	9-RD07	AA		
VRD-ST2CD393J	9-R692	AA		
"	9-R693	AA		
VRD-ST2CD471J	9-R375	AA		
VRD-ST2CD472J	9-R755	AA		
"	9-R771	AA		
"	9-R787	AA		
"	9-R788	AA		
"	9-R789	AA		
"	9-RK72	AA		
"	9-RK73	AA		
VRD-ST2CD473J	9-R750	AA		
"	9-R802	AA		
"	9-R806	AA		
"	9-R888	AA		
"	9-R889	AA		
VRD-ST2CD4R7J	9-R145	AA		
VRD-ST2CD560J	9-R115	AA		
"	9-R116	AA		
VRD-ST2CD561J	9-R729	AA		
VRD-ST2CD562J	9-RK8	AA		
"	9-R384	AA		
"	9-R387	AA		
"	9-R759	AA		
"	9-RK71	AA		
VRD-ST2CD563J	9-RK2	AA		
"	9-RK3	AA		
"	9-R934	AA		
"	9-R935	AA		
VRD-ST2CD681J	9-RD01	AA		
"	9-RD23	AA		
VRD-ST2CD682J	9-R690	AA		
"	9-R691	AA		
"	9-RK44	AA		
"	9-RK45	AA		
VRD-ST2CD683J	9-R950	AA		
VRD-ST2CD821J	9-RD24	AA		
VRD-ST2CD822J	9-RK47	AA		
VRD-ST2EE101J	9-R891	AA		
VRD-ST2EE102J	9-R951	AA		
VRD-ST2EE151J	9-R149	AA		
"	9-R382	AA		
VRD-ST2EE1R5J	9-R794	AA		
"	9-R795	AA		
VRD-ST2EE221J	9-R158	AA		
VRD-ST2EE271J	9-R391	AA		
"	9-R392	AA		
VRD-ST2EE393J	9-R927	AA		
"	9-R928	AA		
VRD-ST2EE470J	9-R804	AA		
"	9-R805	AA		
VRD-ST2EE473J	9-R929	AA		
"	9-R930	AA		
VRG-ST2EC101J	9-R912	AB		
"	9-R958	AB		
VRN-CM05N0R1J	9-R917	AD		
"	9-R922	AD		
VRN-CM05NR22J	9-R913	AD		
"	9-R916	AD		
VRN-VV3LAR10J	9-R917	AD		
"	9-R922	AD		
VRN-VV3LAR22J	9-R913	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-R916	AC		
VRS-CB1JF000J	9-R3015	AA		
"	9-R3016	AA		
"	9-R3018	AA		
"	9-R3024	AA		
"	9-R3411	AA		
"	9-R3415	AA		
VRS-CB1JF820J	9-R3401	AB		
"	9-R3402	AB		
"	9-R3403	AB		
"	9-R3404	AB		
"	9-R3423	AB		
"	9-R3424	AB		
"	9-R3425	AB		
"	9-R3426	AB		
VRS-CY1JB000J	9-	AA		
"	9-R3001	AA		
"	9-R3013	AA		
"	9-R3032	AA		
"	9-R3033	AA		
"	9-R3037	AA		
"	9-R3038	AA		
"	9-R3039	AA		
"	9-R3043	AA		
"	9-R3045	AA		
"	9-R3046	AA		
"	9-R3049	AA		
"	9-R3052	AA		
"	9-R3071	AA		
"	9-R3077	AA		
"	9-R3085	AA		
"	9-R3088	AA		
"	9-R3091	AA		
"	9-R3107	AA		
"	9-R3111	AA		
"	9-R3112	AA		
"	9-R3115	AA		
"	9-R3116	AA		
"	9-R3151	AA		
"	9-R3152	AA		
"	9-R3153	AA		
"	9-R3154	AA		
"	9-R3155	AA		
"	9-R3167	AA		
"	9-R3171	AA		
"	9-R3172	AA		
"	9-R3206	AA		
"	9-R3207	AA		
"	9-R3208	AA		
"	9-R3211	AA		
"	9-R3405	AA		
"	9-R3406	AA		
"	9-R3407	AA		
"	9-R3408	AA		
"	9-R3409	AA		
"	9-R3410	AA		
"	9-R3412	AA		
"	9-R3414	AA		
"	9-R3416	AA		
"	9-R3417	AA		
"	9-R3418	AA		
"	9-R3419	AA		
"	9-R3420	AA		
"	9-R3421	AA		
"	9-R3422	AA		
"	9-R3531	AA		
"	9-R3602	AA		
"	9-R3603	AA		
"	9-R3604	AA		
"	9-R3706	AA		
"	9-R3707	AA		
"	9-R3712	AA		
"	9-R3716	AA		
"	9-R3801	AA		
"	9-R3802	AA		
"	9-R3803	AA		
"	9-FB3001	AA		
"	9-FB3002	AA		
VRS-CY1JB100J	9-R302	AA		
VRS-CY1JB101J	9-R132	AA		
"	9-R133	AA		
"	9-R703	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-R783	AA		
"	9-R3003	AA		
"	9-R3004	AA		
"	9-R3008	AA		
"	9-R3009	AA		
"	9-R3140	AA		
VRS-CY1JB102J	9-R101	AA		
"	9-R102	AA		
"	9-R352	AA		
"	9-R356	AA		
"	9-R372	AA		
"	9-R373	AA		
"	9-R374	AA		
"	9-R376	AA		
"	9-R378	AA		
"	9-R701	AA		
"	9-R702	AA		
"	9-R706	AA		
"	9-R713	AA		
"	9-R714	AA		
"	9-R716	AA		
"	9-R718	AA		
"	9-R719	AA		
"	9-R720	AA		
"	9-R721	AA		
"	9-R722	AA		
"	9-R724	AA		
"	9-R732	AA		
"	9-R733	AA		
"	9-R736	AA		
"	9-R742	AA		
"	9-R743	AA		
"	9-R763	AA		
"	9-R903	AA		
"	9-R904	AA		
"	9-R908	AA		
"	9-R956	AA		
"	9-RD03	AA		
"	9-R3031	AA		
"	9-R3044	AA		
"	9-R3063	AA		
"	9-R3138	AA		
"	9-R3139	AA		
"	9-R3143	AA		
"	9-R3303	AA		
"	9-R3313	AA		
"	9-R3547	AA		
"	9-R3548	AA		
"	9-R660A	AA		
VRS-CY1JB103F	9-R3011	AA		
VRS-CY1JB103J	9-R134	AA		
"	9-R135	AA		
"	9-R138	AA		
"	9-R139	AA		
"	9-R146	AA		
"	9-R147	AA		
"	9-R336	AA		
"	9-R365	AA		
"	9-R381	AA		
"	9-R588	AA		
"	9-R604	AA		
"	9-R605	AA		
"	9-R641	AA		
"	9-R731	AA		
"	9-R757	AA		
"	9-R761	AA		
"	9-R766	AA		
"	9-R767	AA		
"	9-R768	AA		
"	9-R773	AA		
"	9-R774	AA		
"	9-R775	AA		
"	9-R777	AA		
"	9-R778	AA		
"	9-R779	AA		
"	9-R796	AA		
"	9-R797	AA		
"	9-R798	AA		
"	9-R799	AA		
"	9-RD31	AA		
"	9-R3010	AA		
"	9-R3090	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-R3147	AA		
"	9-R3162	AA		
"	9-R3311	AA		
"	9-R3312	AA		
"	9-R3320	AA		
"	9-R3321	AA		
"	9-R3322	AA		
"	9-R3601	AA		
"	9-R3717	AA		
"	9-R3718	AA		
"	9-R3729	AA		
VRS-CY1JB104J	9-R117	AA		
"	9-R118	AA		
"	9-R311	AA		
VRS-CY1JB121J	9-R874	AA		
VRS-CY1JB123J	9-R3714	AA		
VRS-CY1JB151J	9-R3201	AA		
"	9-R3202	AA		
"	9-R3203	AA		
VRS-CY1JB152J	9-R130	AA		
"	9-R131	AA		
"	9-R380	AA		
"	9-R919	AA		
"	9-R920	AA		
"	9-R984	AA		
"	9-RD14	AA		
"	9-RD26	AA		
VRS-CY1JB153F	9-R3012	AA		
"	9-R3014	AA		
"	9-R3020	AA		
"	9-R3030	AA		
VRS-CY1JB153J	9-R112	AA		
"	9-R121	AA		
"	9-R122	AA		
"	9-R947	AA		
"	9-RD32	AA		
"	9-R3019	AA		
"	9-R3025	AA		
"	9-R3026	AA		
"	9-R3701	AA		
"	9-R3704	AA		
VRS-CY1JB154J	9-R3076	AA		
VRS-CY1JB182J	9-R359	AA		
"	9-R919	AA		
"	9-R920	AA		
"	9-R984	AA		
"	9-R3165	AA		
"	9-R3727	AA		
VRS-CY1JB183J	9-R121	AA		
"	9-R122	AA		
VRS-CY1JB220J	9-R3002	AA		
VRS-CY1JB221J	9-R664	AA		
"	9-R674	AA		
"	9-R675	AA		
"	9-R3144	AA		
"	9-R3145	AA		
"	9-R3605	AA		
"	9-R3731	AA		
VRS-CY1JB222J	9-R103	AA		
"	9-R104	AA		
"	9-R379	AA		
"	9-R610	AA		
"	9-R611	AA		
"	9-R616	AA		
"	9-R617	AA		
"	9-R662	AA		
"	9-R677	AA		
"	9-R715	AA		
"	9-R726	AA		
"	9-R987	AA		
"	9-R988	AA		
"	9-RD05	AA		
"	9-RD27	AA		
"	9-R3523	AA		
VRS-CY1JB223J	9-R144	AA		
"	9-R620	AA		
"	9-R621	AA		
"	9-R886	AA		
"	9-R887	AA		
"	9-R3735	AA		
VRS-CY1JB224J	9-R136	AA		
"	9-R137	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VRS-CY1JB270J	9-R871A	AA		
VRS-CY1JB271J	9-R353	AA		
VRS-CY1JB272J	9-R350	AA		
"	9-RD06	AA		
"	9-RD28	AA		
"	9-R3733	AA		
VRS-CY1JB273J	9-R3734	AA		
VRS-CY1JB330J	9-R3142	AA		
VRS-CY1JB331J	9-R619	AA		
"	9-R688	AA		
"	9-R872	AA		
VRS-CY1JB332J	9-R105	AA		
"	9-R106	AA		
"	9-R355	AA		
"	9-R663	AA		
"	9-R3005	AA		
"	9-R3006	AA		
"	9-R3007	AA		
"	9-R3072	AA		
VRS-CY1JB333J	9-R313	AA		
"	9-R909	AA		
"	9-R983	AA		
"	9-R3413	AA		
"	9-R3732	AA		
VRS-CY1JB335J	9-R3050	AA		
VRS-CY1JB391J	9-R612	AA		
"	9-R613	AA		
VRS-CY1JB392F	9-R3062	AA		
VRS-CY1JB392J	9-R119	AA		
"	9-R120	AA		
"	9-R388	AA		
"	9-R606	AA		
"	9-R607	AA		
"	9-RD29	AA		
"	9-R3163	AA		
"	9-R3164	AA		
"	9-R3166	AA		
VRS-CY1JB470J	9-R873	AA		
VRS-CY1JB471J	9-R3126	AA		
"	9-R3304	AA		
VRS-CY1JB472J	9-R109	AA		
"	9-R110	AA		
"	9-R126	AA		
"	9-R127	AA		
"	9-R141	AA		
"	9-R148	AA		
"	9-R316	AA		
"	9-R360	AA		
"	9-R574	AA		
"	9-R593	AA		
"	9-R665	AA		
"	9-R666	AA		
"	9-R667	AA		
"	9-R668	AA		
"	9-R786	AA		
"	9-R791	AA		
"	9-R957	AA		
"	9-R3522	AA		
"	9-R3715	AA		
VRS-CY1JB473J	9-R107	AA		
"	9-R108	AA		
"	9-R140	AA		
"	9-R143	AA		
"	9-R325	AA		
"	9-R377	AA		
"	9-R395	AA		
"	9-R781	AA		
"	9-R946	AA		
"	9-R3309	AA		
"	9-R3310	AA		
"	9-R3318	AA		
"	9-R3319	AA		
"	9-R3730	AA		
VRS-CY1JB474J	9-R357	AA		
"	9-R3728	AA		
VRS-CY1JB511J	9-R3106	AA		
"	9-R3117	AA		
"	9-R3118	AA		
VRS-CY1JB561J	9-R905	AA		
"	9-R906	AA		
"	9-R660B	AA		
VRS-CY1JB562J	9-R123	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	9-R124	AA		
"	9-R128	AA		
"	9-R129	AA		
"	9-R351	AA		
"	9-R383	AA		
"	9-R385	AA		
"	9-R770	AA		
"	9-R985	AA		
"	9-R986	AA		
"	9-RD30	AA		
VRS-CY1JB563J	9-R901	AA		
"	9-R902	AA		
"	9-R907	AA		
"	9-R911	AA		
"	9-R937	AA		
VRS-CY1JB680J	9-R679	AA		
VRS-CY1JB681J	9-R322	AA		
"	9-R727	AA		
"	9-R728	AA		
"	9-R885	AA		
"	9-RD11	AA		
"	9-R3035	AA		
"	9-R3314	AA		
VRS-CY1JB682J	9-R123	AA		
"	9-R124	AA		
"	9-R643	AA		
"	9-R644	AA		
"	9-R3074	AA		
"	9-R3075	AA		
VRS-CY1JB683J	9-R150	AA		
"	9-R323	AA		
"	9-R3027	AA		
VRS-CY1JB750F	9-R3204	AA		
"	9-R3205	AA		
VRS-CY1JB821J	9-R885	AA		
"	9-RD02	AA		
"	9-RD12	AA		
VRS-CY1JB822J	9-R608	AA		
"	9-R609	AA		
"	9-R614	AA		
"	9-R615	AA		
"	9-R760	AA		
"	9-R790	AA		
"	9-R985	AA		
"	9-R986	AA		
"	9-R3021	AA		
"	9-R3022	AA		
"	9-R3711	AA		
"	9-R3722	AA		
"	9-R3726	AA		
VRS-CY1JB823J	9-R3702	AA		
"	9-R3703	AA		
VRS-TV2AB000J	9-R3156	AA		
"	9-R3157	AA		
"	9-R3158	AA		
"	9-R3159	AA		
"	9-R3160	AA		
"	9-R3161	AA		
VRS-TV2AB470J	9-R3806	AA		
VRS-TV2AB750J	9-R3132	AA		
"	9-R3133	AA		
"	9-R3134	AA		
"	9-R3135	AA		
"	9-R3136	AA		
"	9-R3137	AA		
VRS-TW2EE121J	9-R3103	AA		
"	9-R3109	AA		
"	9-R3110	AA		
VRS-TW2EE330J	9-R3307	AB		
VRS-TW2EE470J	9-R3306	AA		
"	9-R3316	AA		
"	9-R3317	AA		
VRS-VV3DA471J	9-R942	AB		
"	9-R943	AB		
VRS-VV3DA681J	9-R942	AC		
"	9-R943	AC		
VS2SB709AR+-1	2-Q3501	AB		
VS2SD601AR/-1	2-Q3303	AC		
"	2-Q3305	AC		
VSKRA107S//-1	2-Q711	AB		
"	2-Q715	AB		
"	2-Q717	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VSKRC102S//-1	2-Q709	AB		
"	2-Q710	AB		
VSKRC104S//-1	2-Q110	AC		
"	2-Q113	AC		
"	2-Q114	AC		
"	2-Q712	AC		
"	2-Q713	AC		
"	2-Q714	AC		
"	2-Q716	AC		
"	2-Q888	AC		
"	2-Q3105	AC		
"	2-Q3307	AC		
VSKRC107M//-1	2-Q842	AC		
VSKTA1266GR-1	2-Q360	AB		
VSKTA1273Y/-1	2-Q706	AE		
"	2-Q707	AE		
"	2-Q708	AE		
VSKTA1274Y/-1	2-Q801	AE		
VSKTA1298Y/-1	2-Q3100	AC		
"	2-Q3101	AC		
"	2-Q3102	AC		
"	2-Q3304	AC		
"	2-Q3306	AC		
VSKTA1504Y/-1	2-Q109	AB		
"	2-Q112	AB		
VSKTC3194Y/-1	2-Q302	AD		
VSKTC3199GR-1	2-Q905	AB		
VSKTC3200GR-1	2-Q101	AC		
"	2-Q102	AC		
"	2-Q103	AC		
"	2-Q104	AC		
VSKTC3203Y/-1	2-QK1	AC		
"	2-Q111	AC		
"	2-Q906	AC		
"	2-Q907	AC		
VSKTC3265Y/-1	2-Q661	AC		
VSKTC3875GR-1	2-Q105	AB		
"	2-Q106	AB		
"	2-Q107	AB		
"	2-Q108	AB		
"	2-Q601	AB		
"	2-Q602	AB		
"	2-Q603	AB		
"	2-Q604	AB		
"	2-Q605	AB		
"	2-Q606	AB		
"	2-Q885	AB		
"	2-Q886	AB		
"	2-Q901	AB		
"	2-Q902	AB		
"	2-Q903	AB		
"	2-Q904	AB		
"	2-Q908	AB		
"	2-Q909	AB		
VVKNA11SS55-1	10-FL701	AV		
[X]				
XBBSD20P04000	12-609	AA		
XEBSD20P10000	11-803	AA		
XEBSD26P10000	12-604	AA		
XEBSD30P10000	11-804	AA		
"	12-602	AA		
XESSD30P10000	12-605	AA		
XHBSD30P06000	12-616	AA		
XHBSD40P08000	12-608	AA		
XJBSD30P10000	12-601	AA		
XJBSD30P12000	13-911	AA		
XJBSD40P16000	13-910	AB		
XJSSD30P08000	12-606	AA		
XMBSF40P16000	13-913	AC		
XMPSF40P35000	13-912	AC		
XWHSD32-10080	12-615	AA		
[9]				
92LBAG1460C1	14-	AB		
92LCONE2P5268	10-CNP301	AB		
"	10-CNP7002	AB		
92LCONE2P53253	10-CNP971	AB		
92LCONE2P53253	10-CNP7004	AB		
92LCONE3P53253	10-CNP7003	AB		
92LCONE5P53253	10-CNP602	AB		
92LCONE8P53253	10-CNP7001	AC		
92LCONEBP53253	10-CNPK1	AC		
92LCONEEP5267X	10-CNP801	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
92LCRSTL1425A	7-X351	AF		
92LCSPR1431C	12-216	AA		
92LFANT1746A	14-	AD		
92LMTR1854BASY	10-NM2	AP		
92LMTR5515CASY	10-NM1	AS		
92LMTR5529AASY	10-M1	AD		
"	10-M2	AD		
"	11-M1	AD		
"	11-M2	AD		
92LNBAND1318A	12-208	AA		
92LPWB5538DVSS	15-PWB-F	—		
92LPWB5538MANS	15-PWB-A	—		
92LPWB5538PWRS	15-PWB-B	—		
92LPWB5554MANS	15-PWB-A	—		
92LPWB5554PWRS	15-PWB-B	—		
92LPWB5655DVDS	15-PWB-C	—		
92LPWB5765MICS	15-PWB-G	—		
92LSWICH1401AT	10-SW701	AC		
"	10-SW702	AC		
"	10-SW703	AC		
"	10-SW704	AC		
"	10-SW705	AC		
"	10-SW706	AC		
"	10-SW707	AC		
"	10-SW708	AC		
"	10-SW712	AC		
"	10-SW713	AC		
"	10-SW714	AC		
"	10-SW715	AC		
"	10-SW716	AC		
"	10-SW724	AC		
"	10-SW725	AC		
"	10-SW726	AC		
"	10-SW727	AC		
"	10-SW728	AC		
"	10-SW729	AC		
"	10-SW730	AC		
"	10-SW731	AC		
"	10-SW732	AC		
"	10-SW733	AC		
"	10-SW734	AC		
"	10-SW735	AC		

–– MEMO ––

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J.. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J.. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

SHARP

SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Higashihiroshima, Hiroshima 739-0192, Japan

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EX